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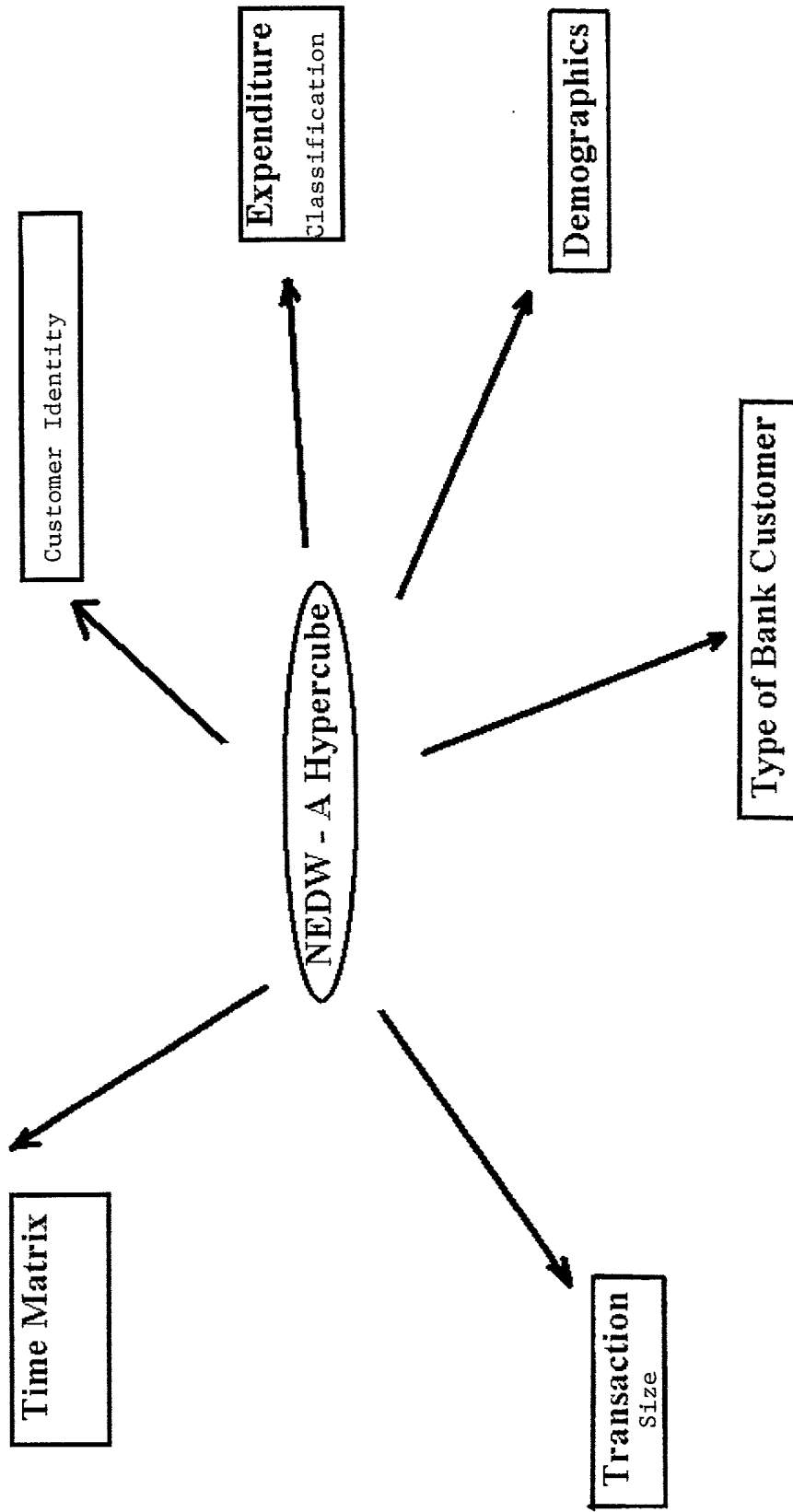


FIG. 1A

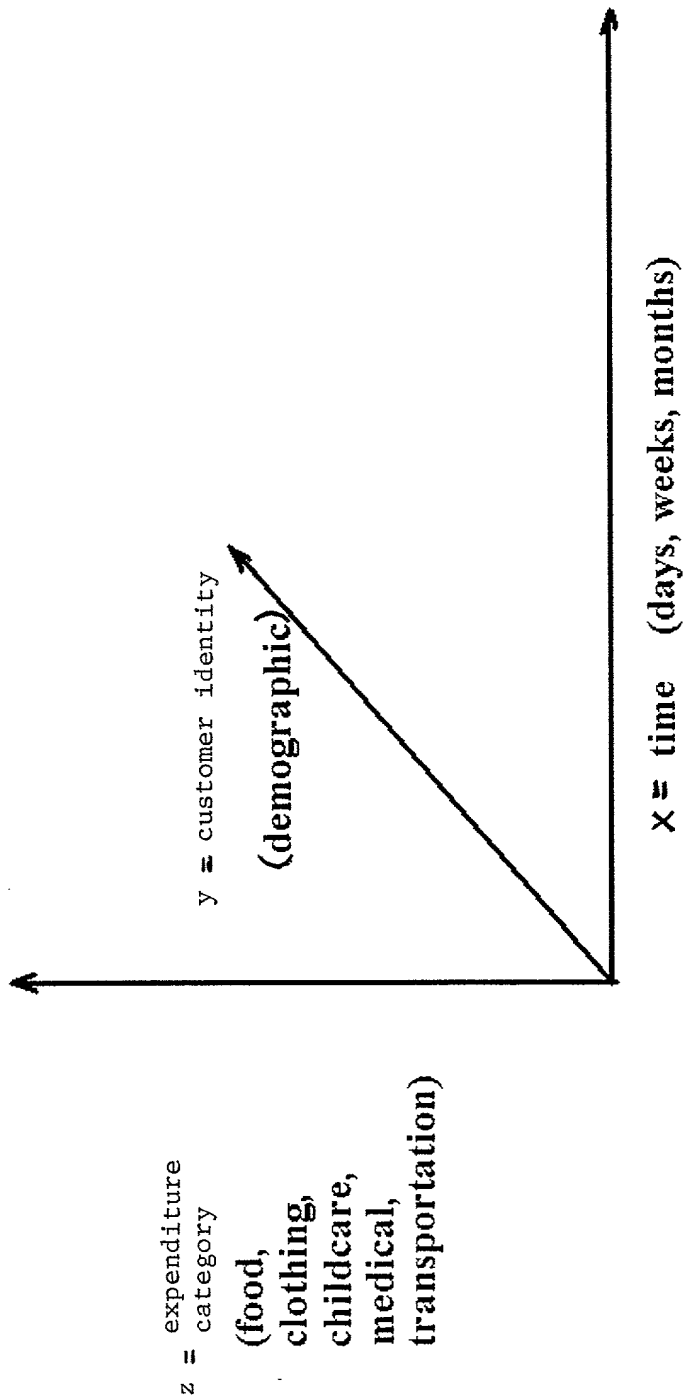
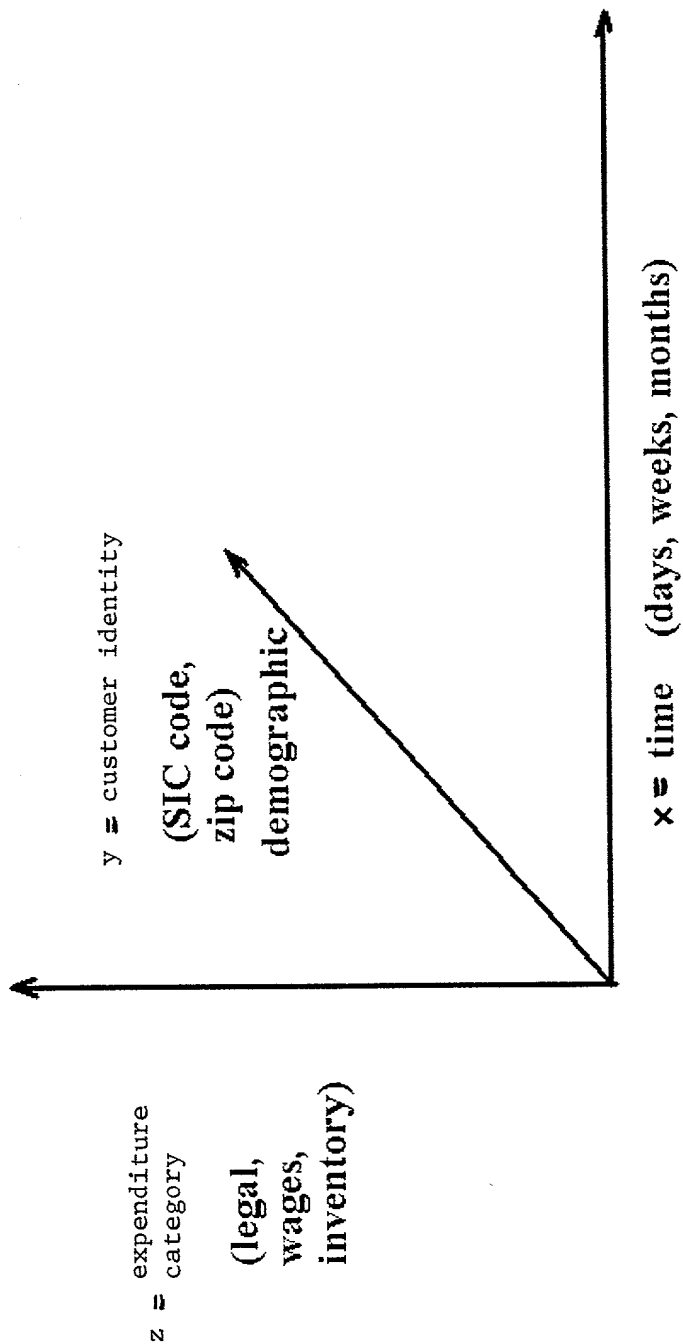
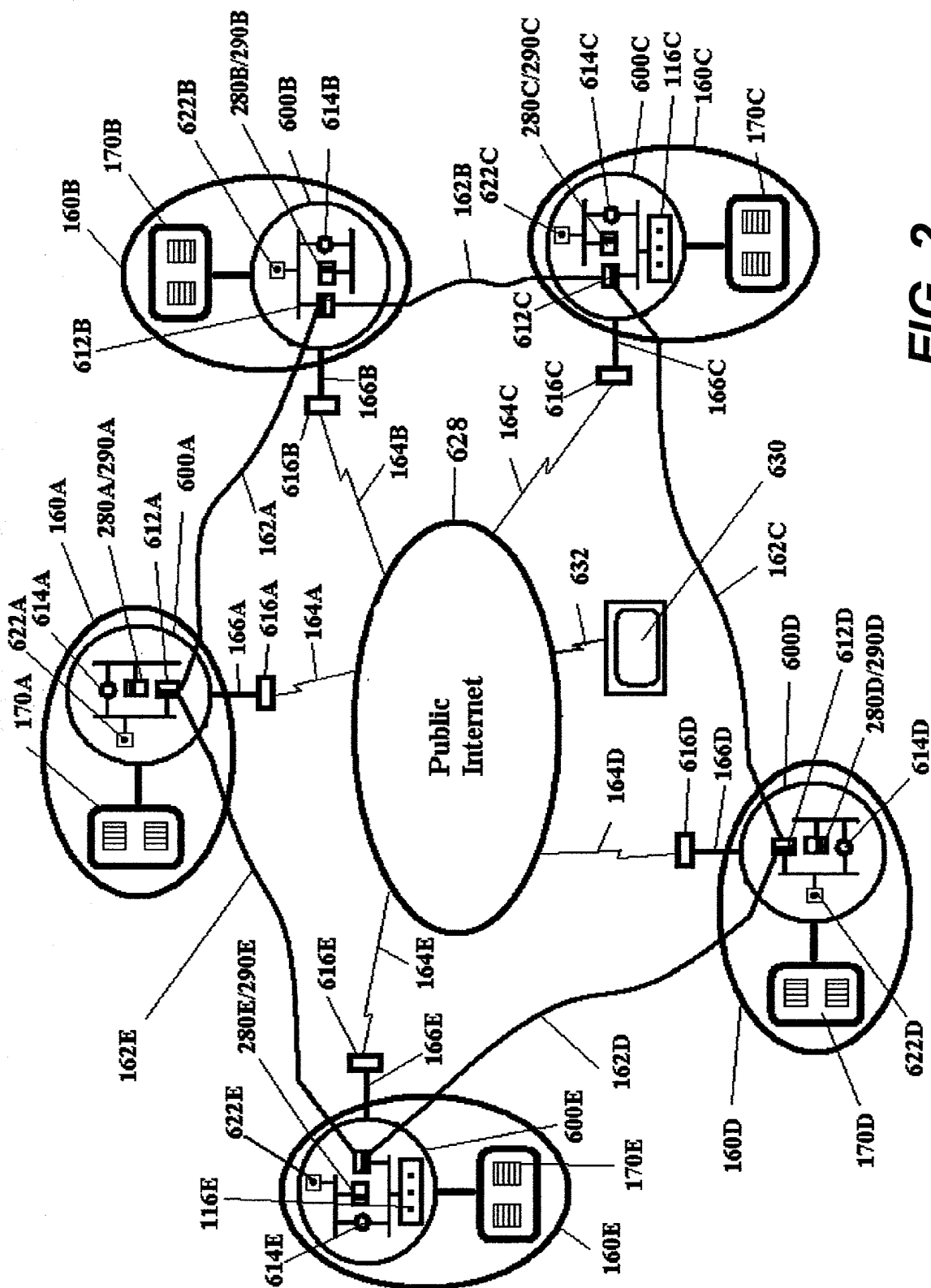


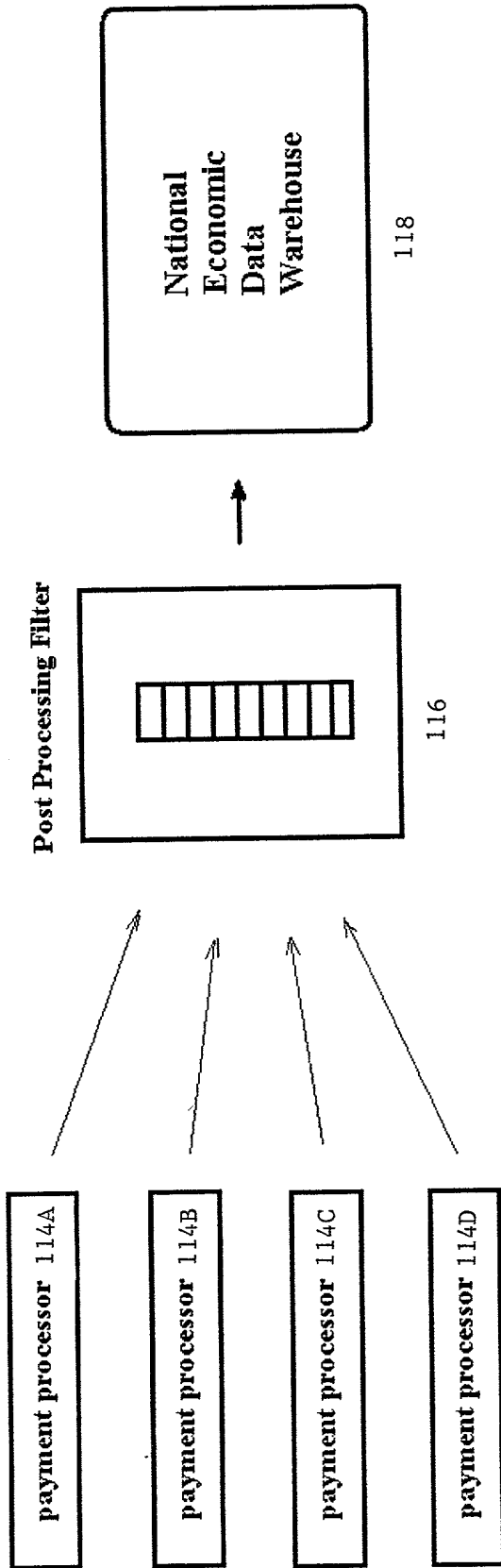
FIG. 1B



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FIG. 1C





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FIG. 3

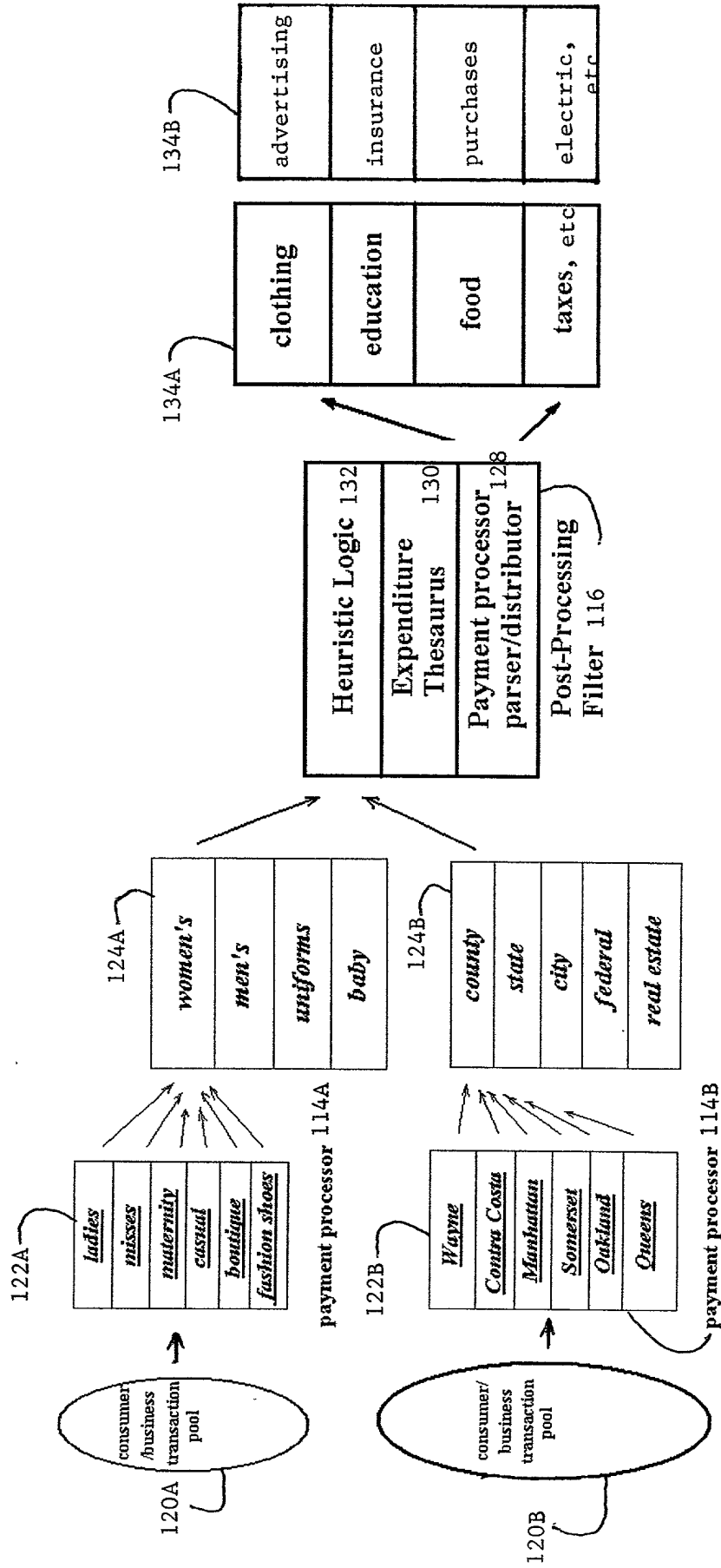
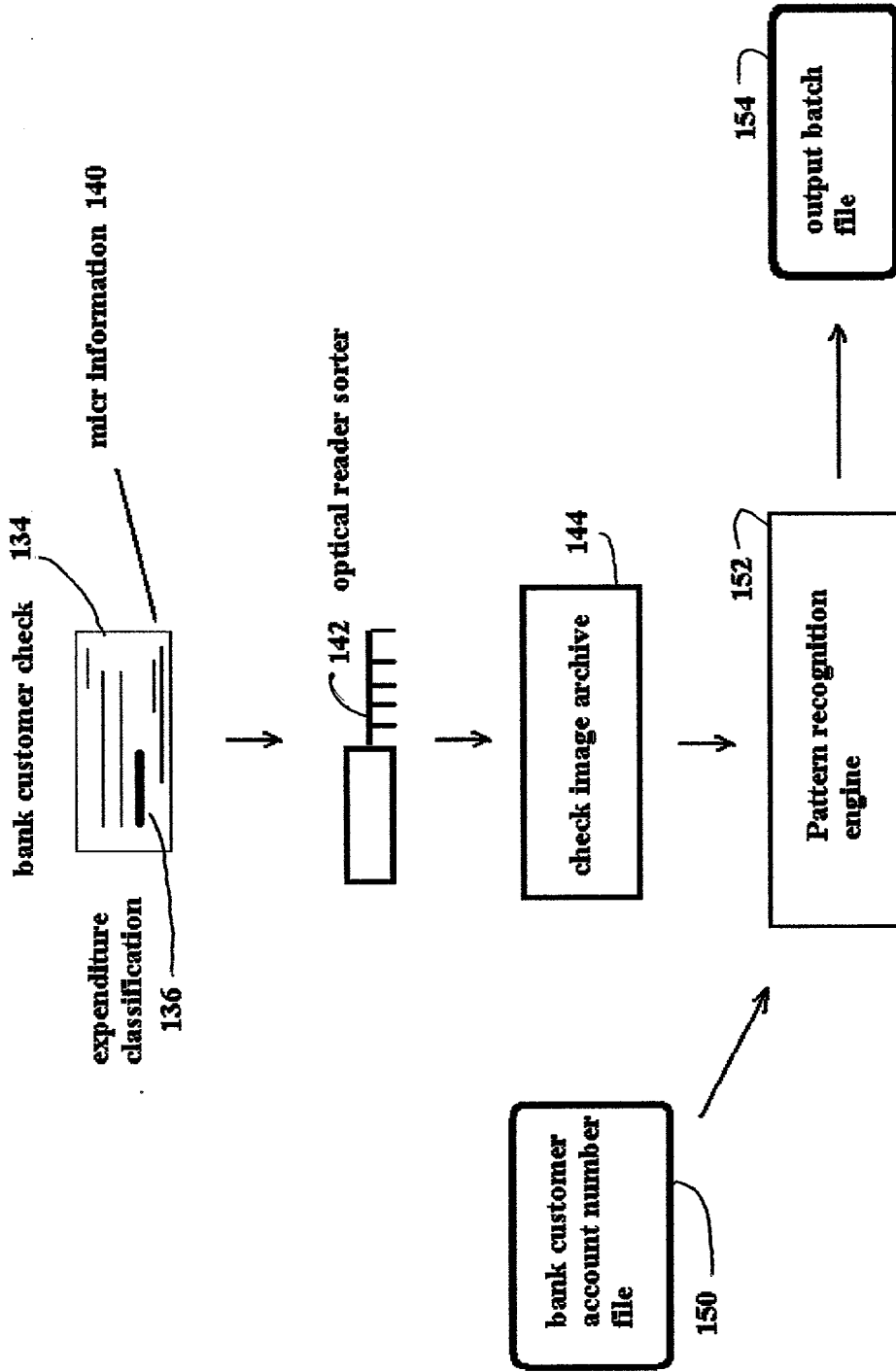


FIG. 4

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FIG. 5A (Prior Art)

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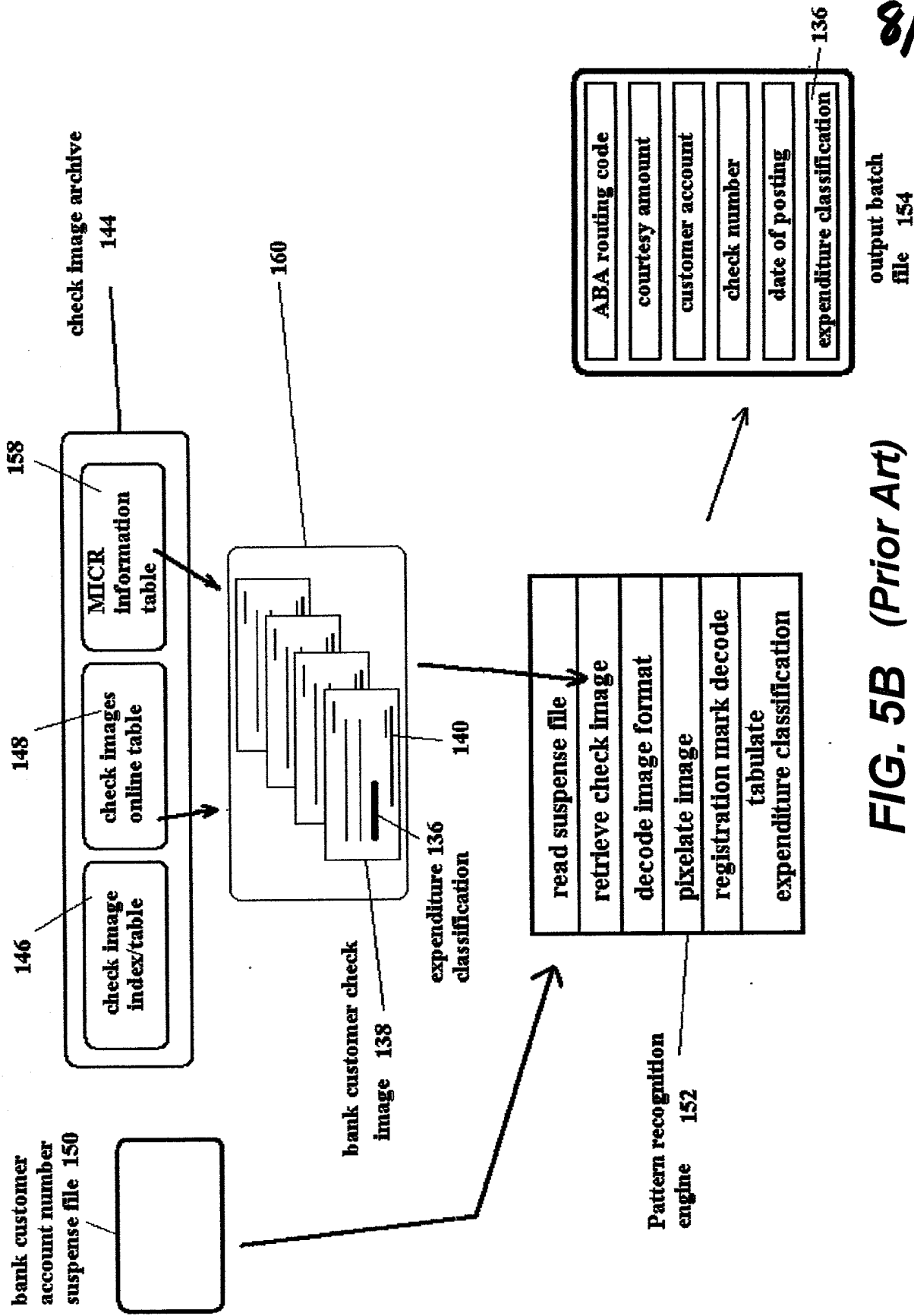


FIG. 5B (Prior Art)



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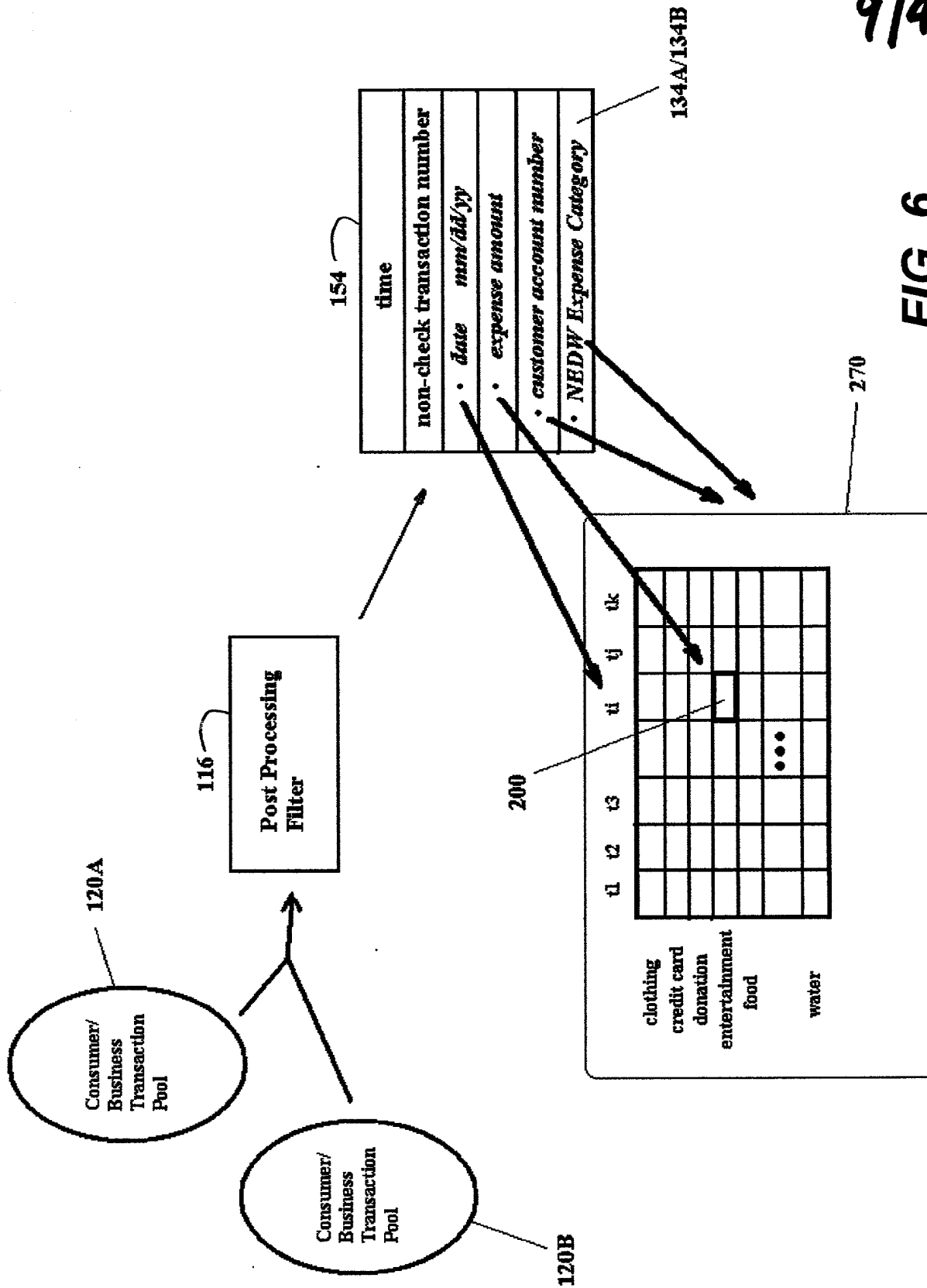


FIG. 6

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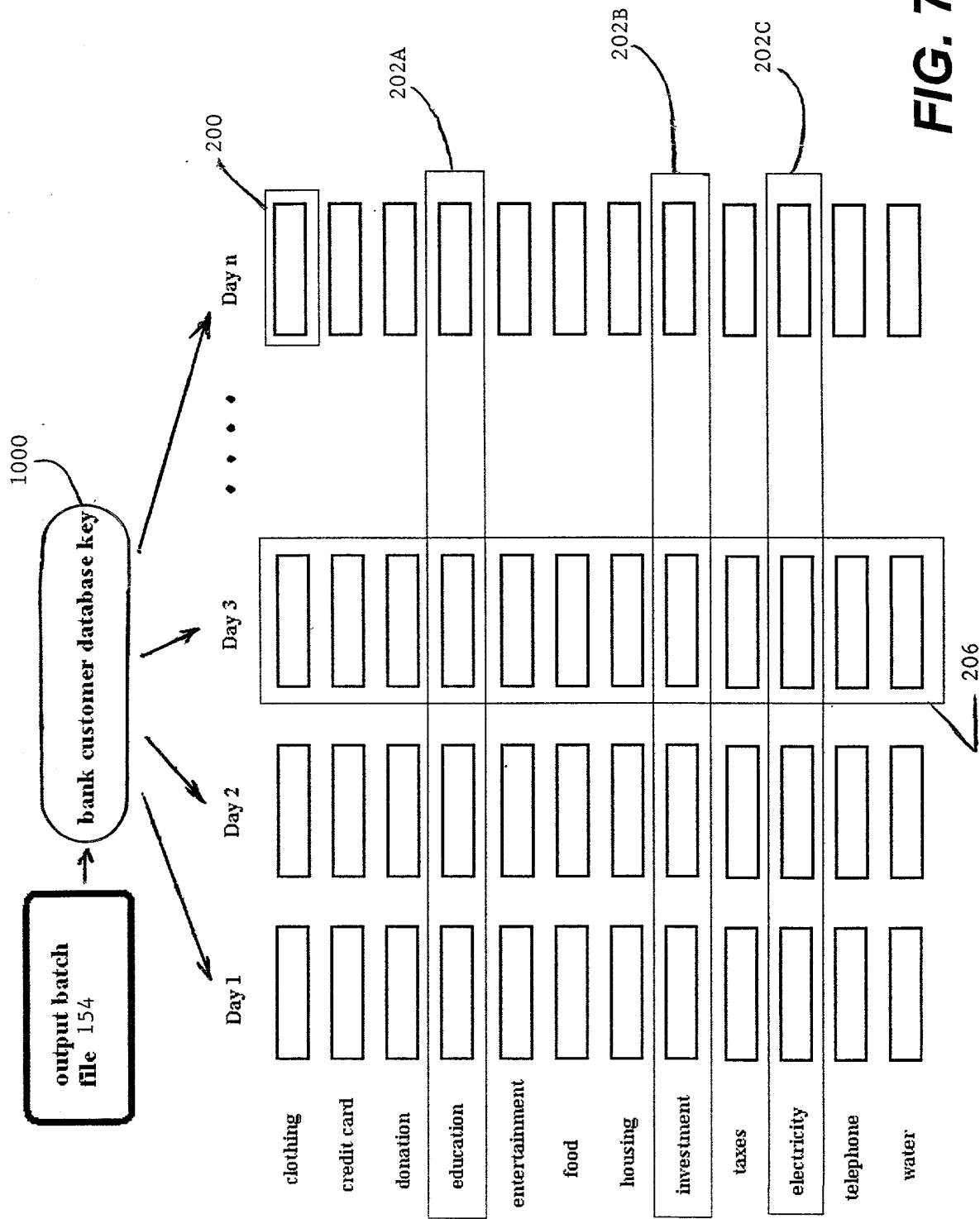


FIG. 7A

109250 "DOTS" 1000

1000

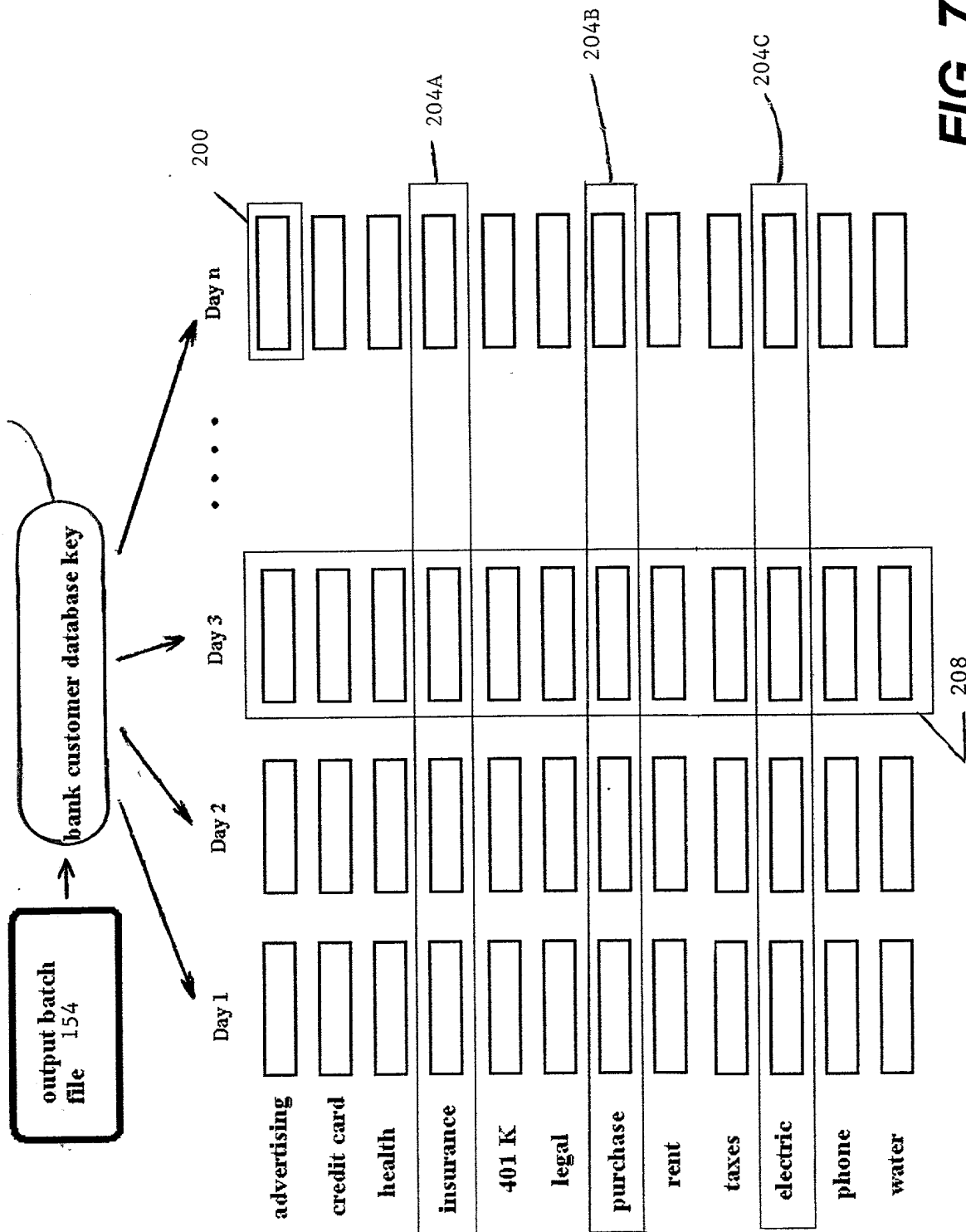


FIG. 7B

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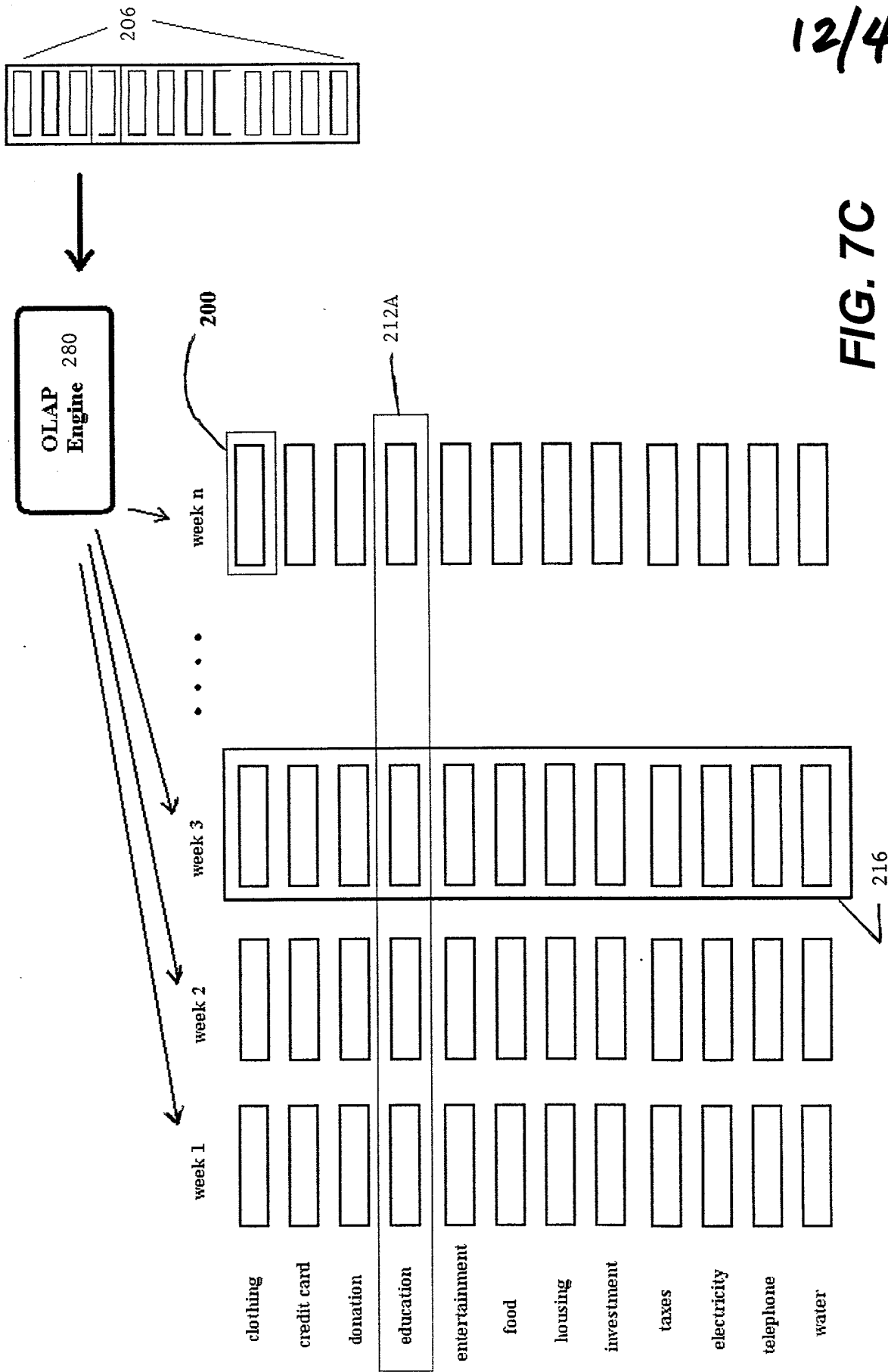


FIG. 7C

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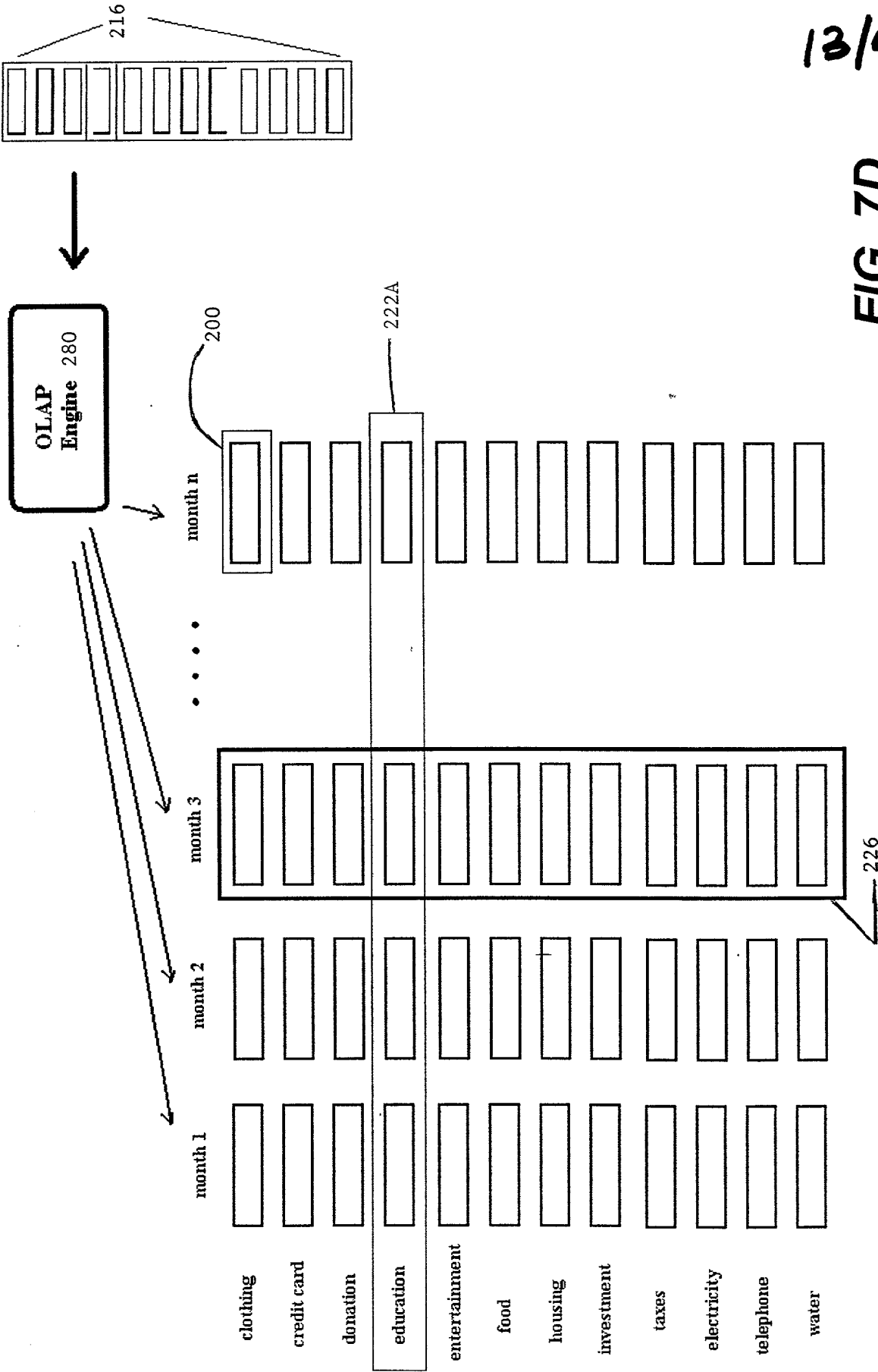
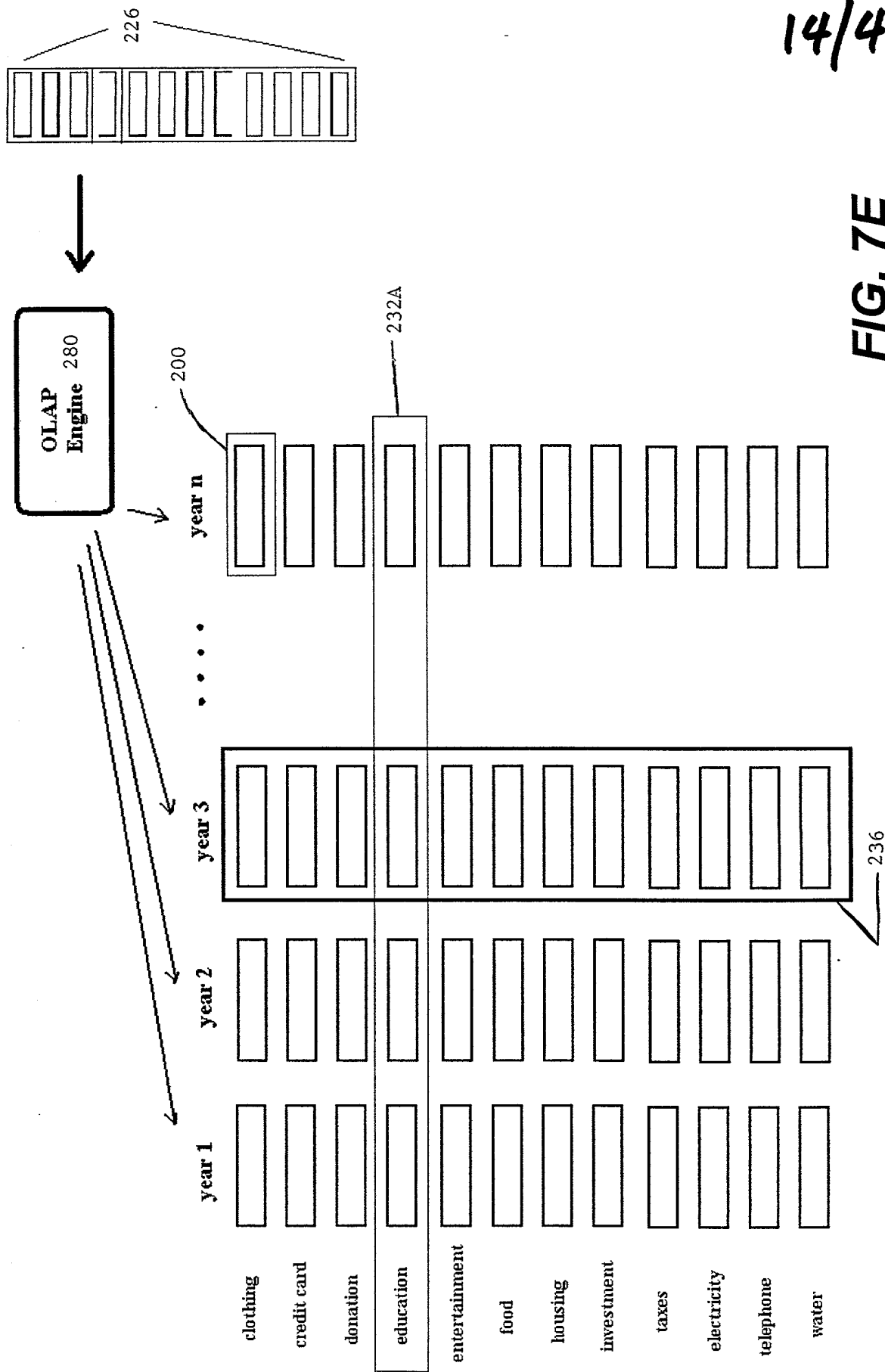


FIG. 7D

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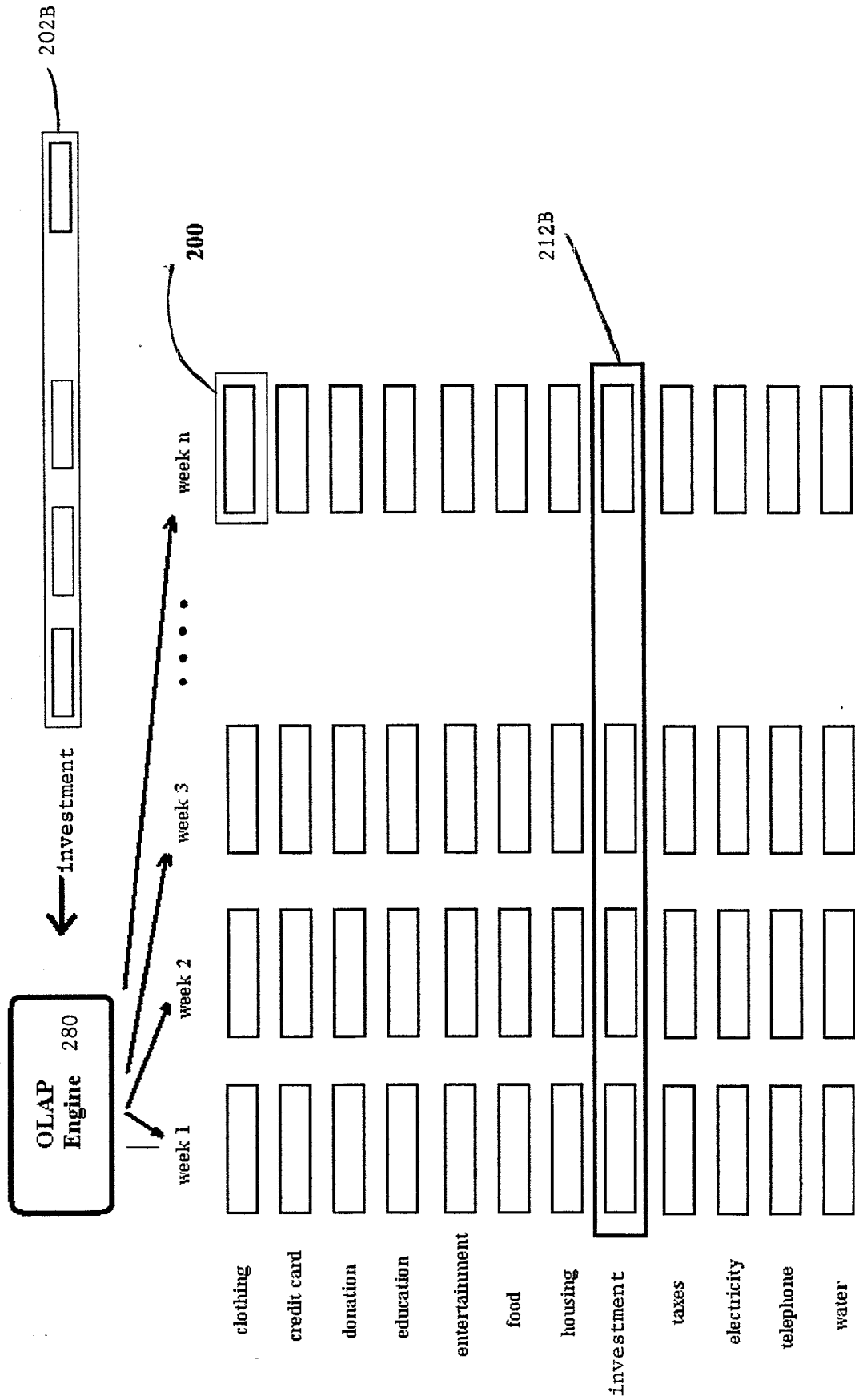


FIG. 8A

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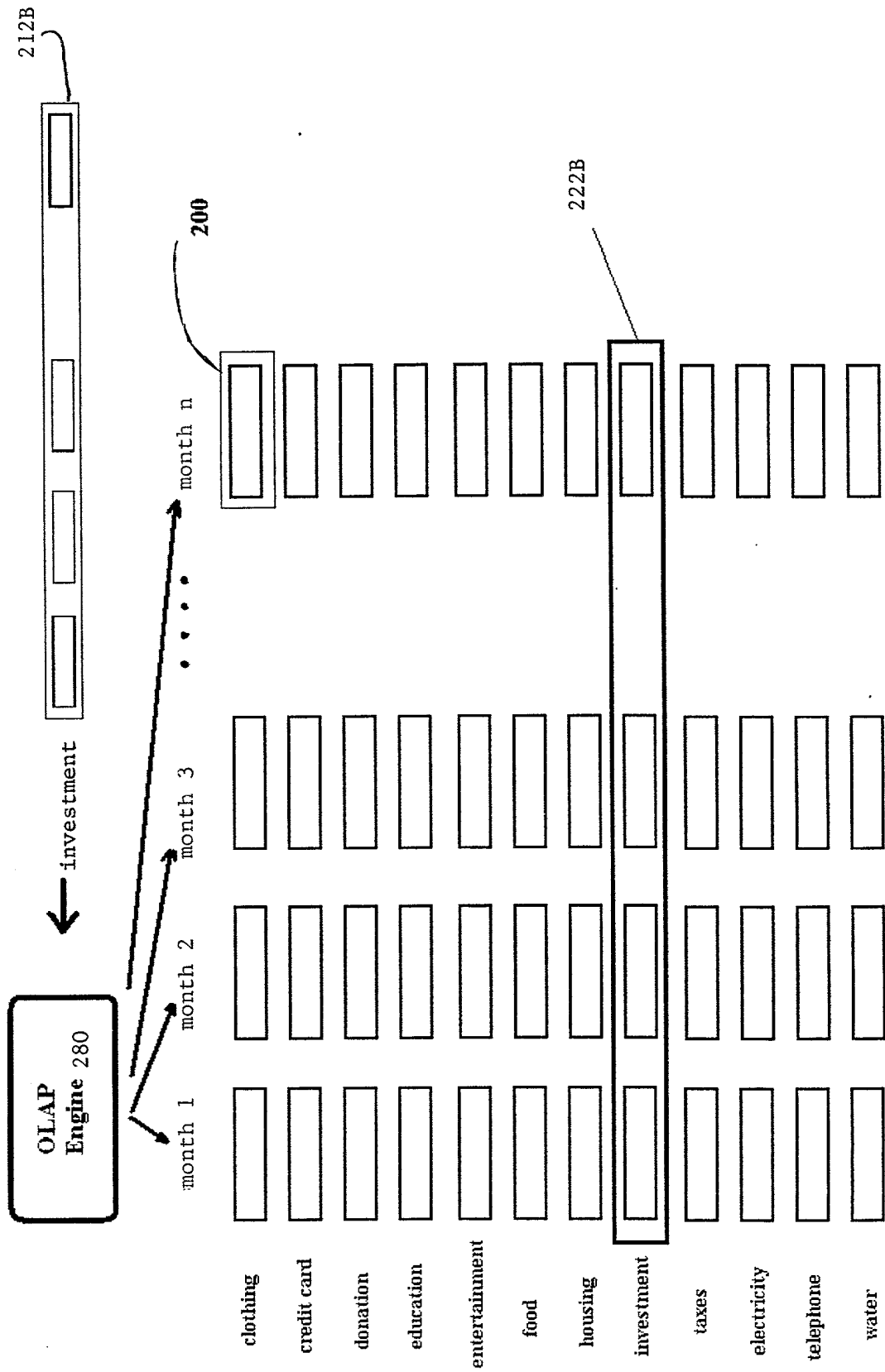


FIG. 8B



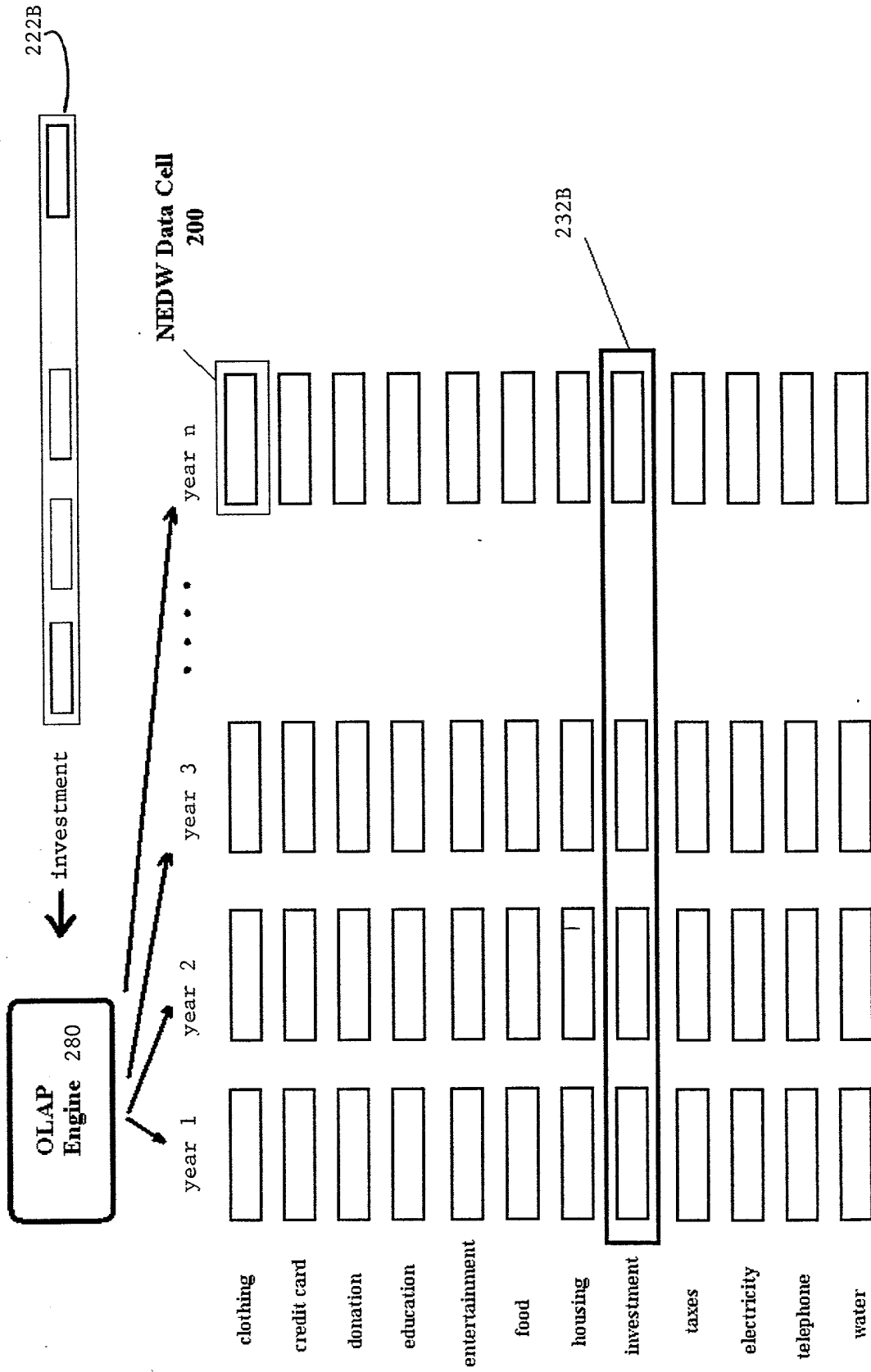


FIG. 8C

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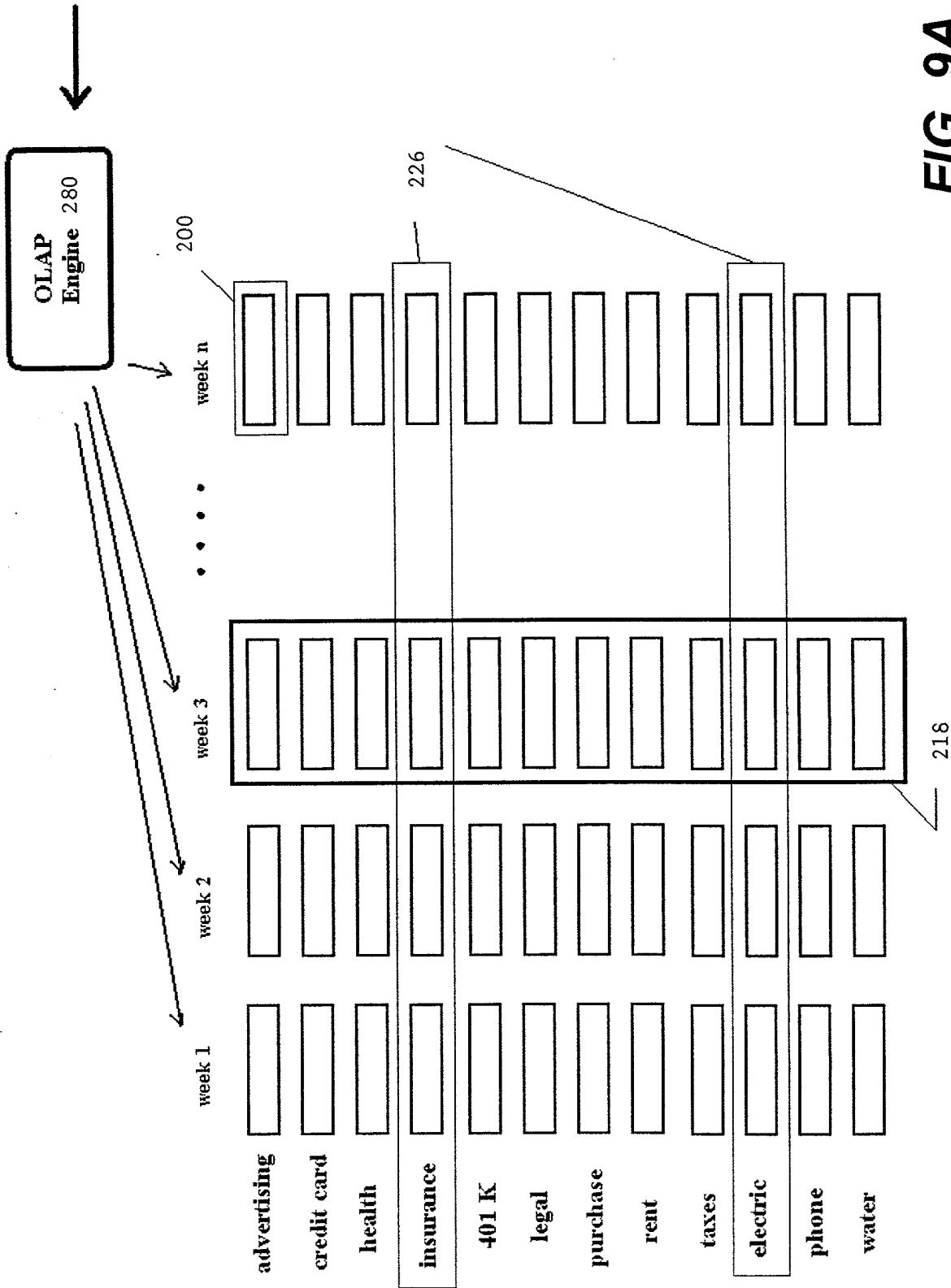
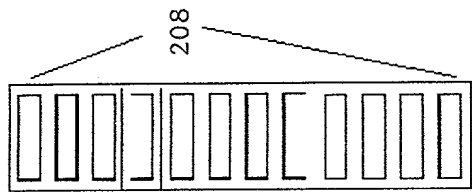


FIG. 9A

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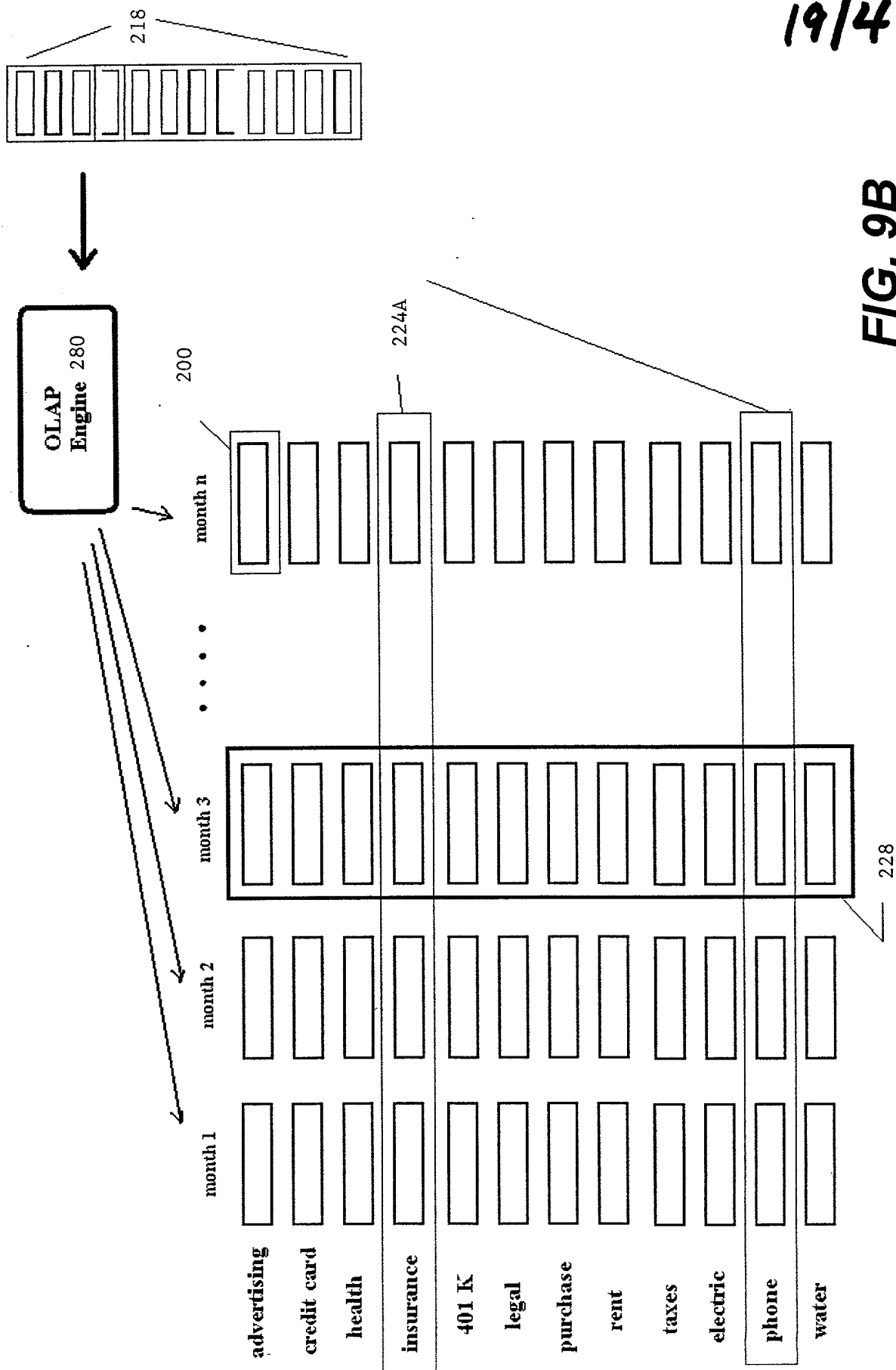
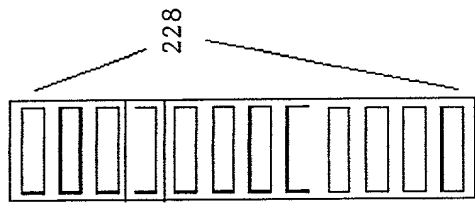


FIG. 9B

FIG. 9C



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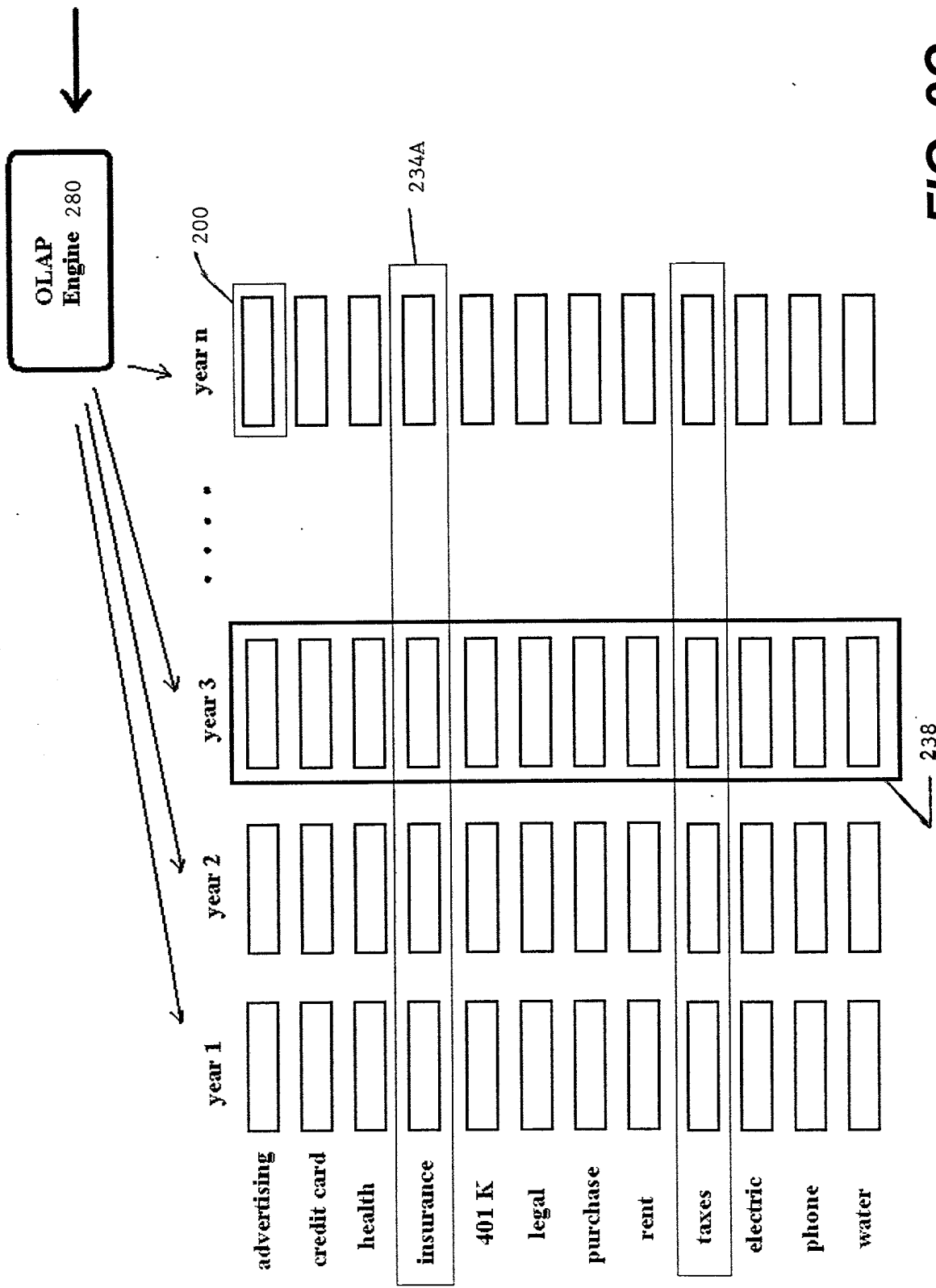


FIG. 9C

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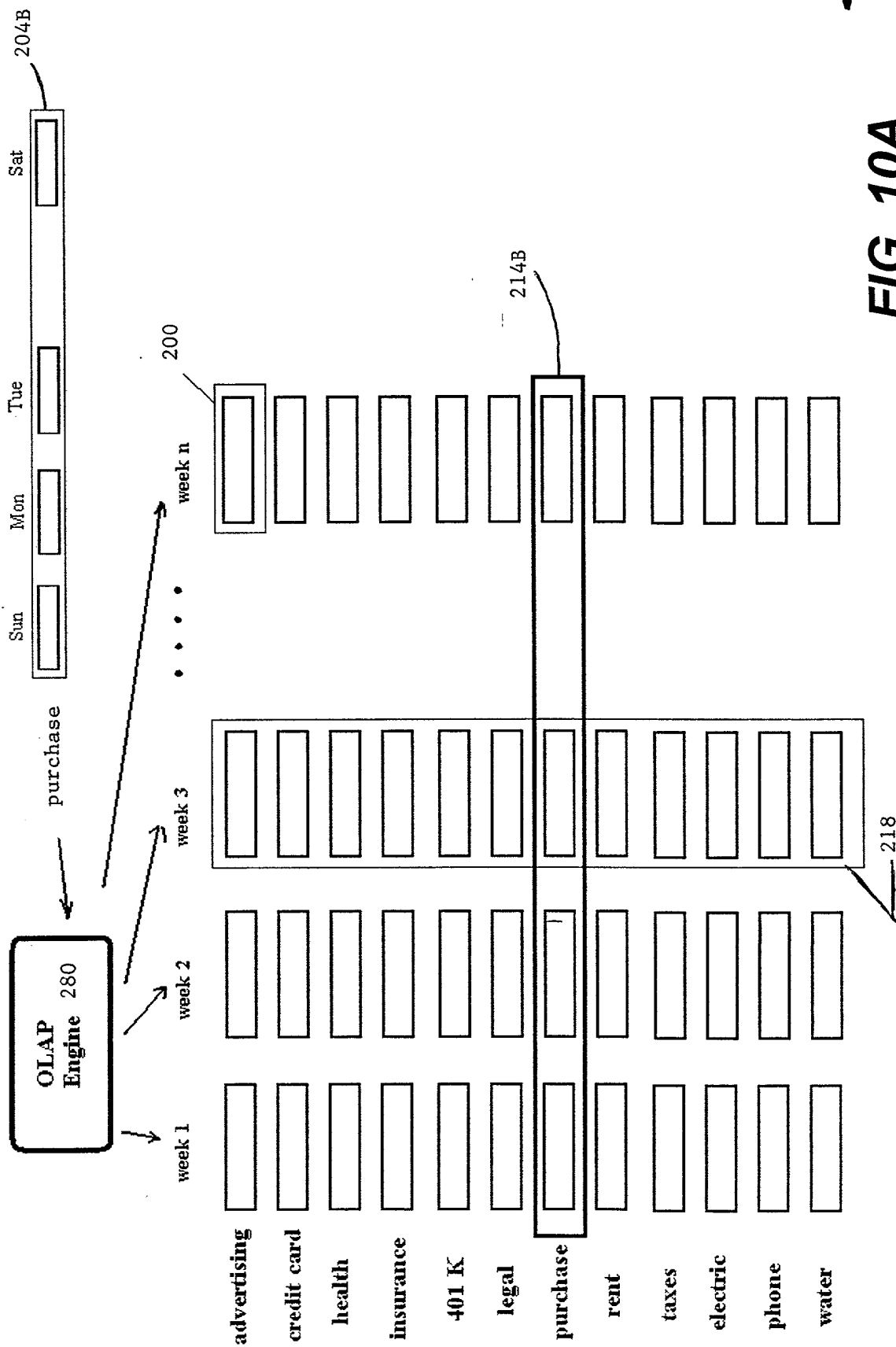


FIG. 10A

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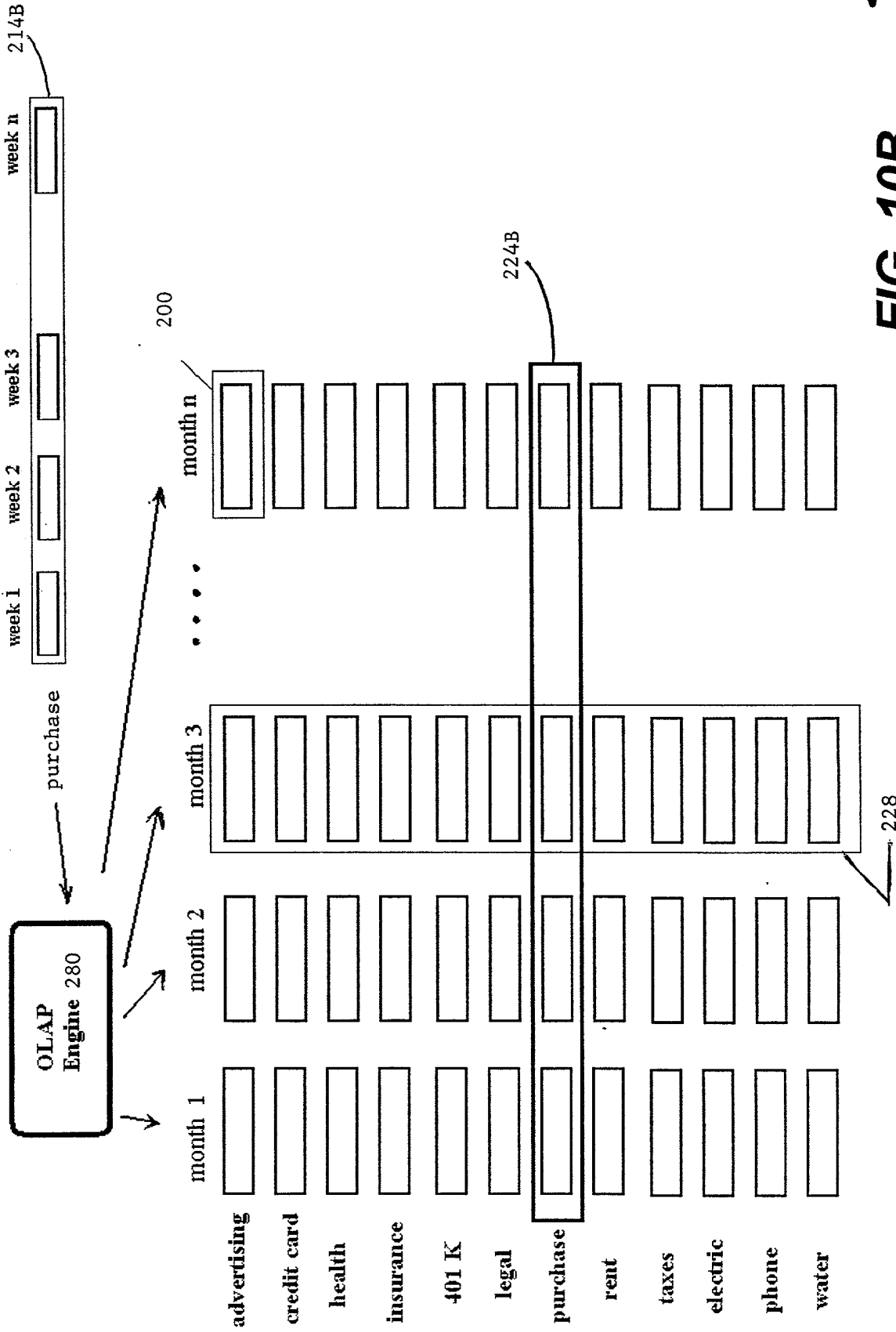


FIG. 10B

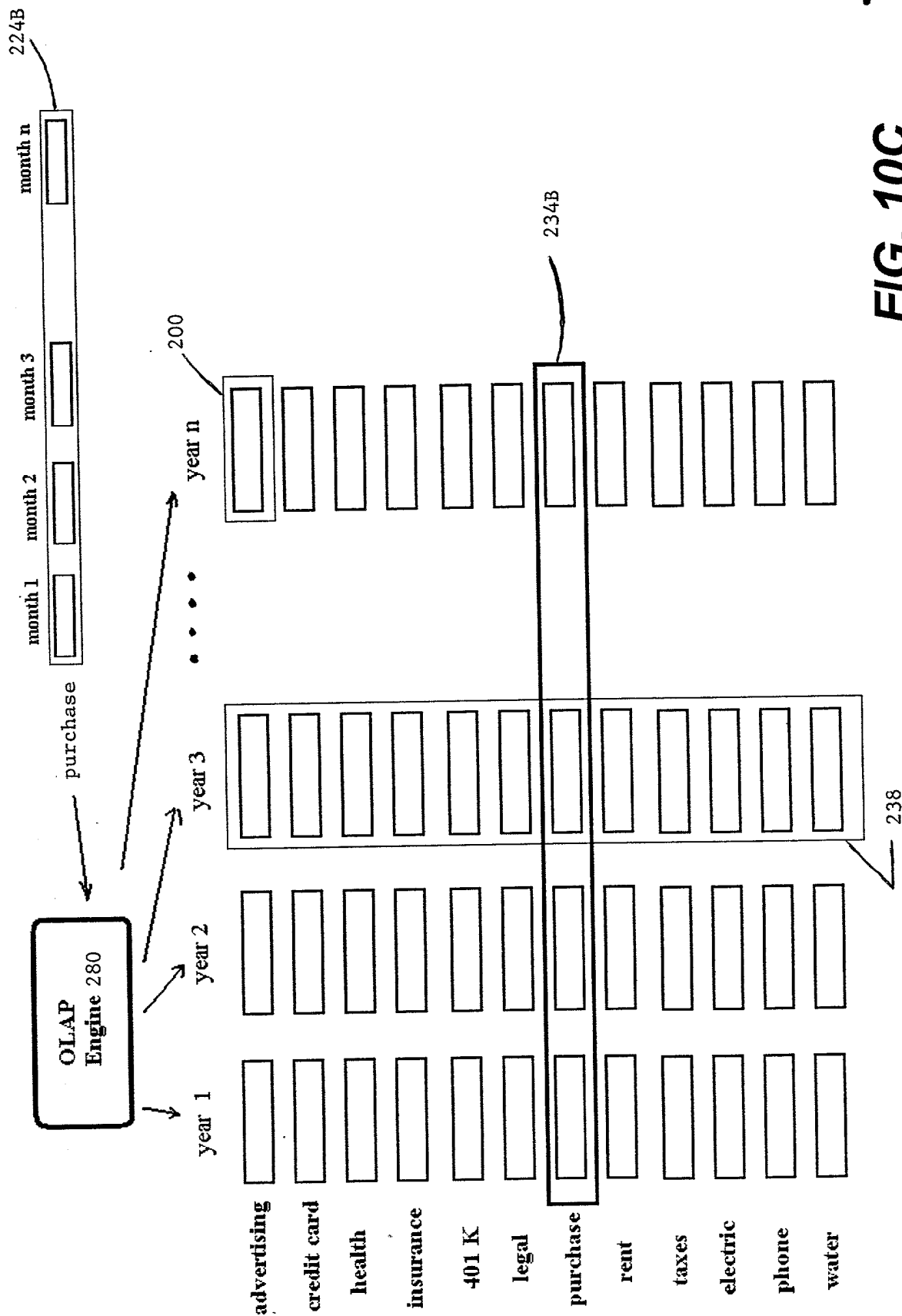


FIG. 10C

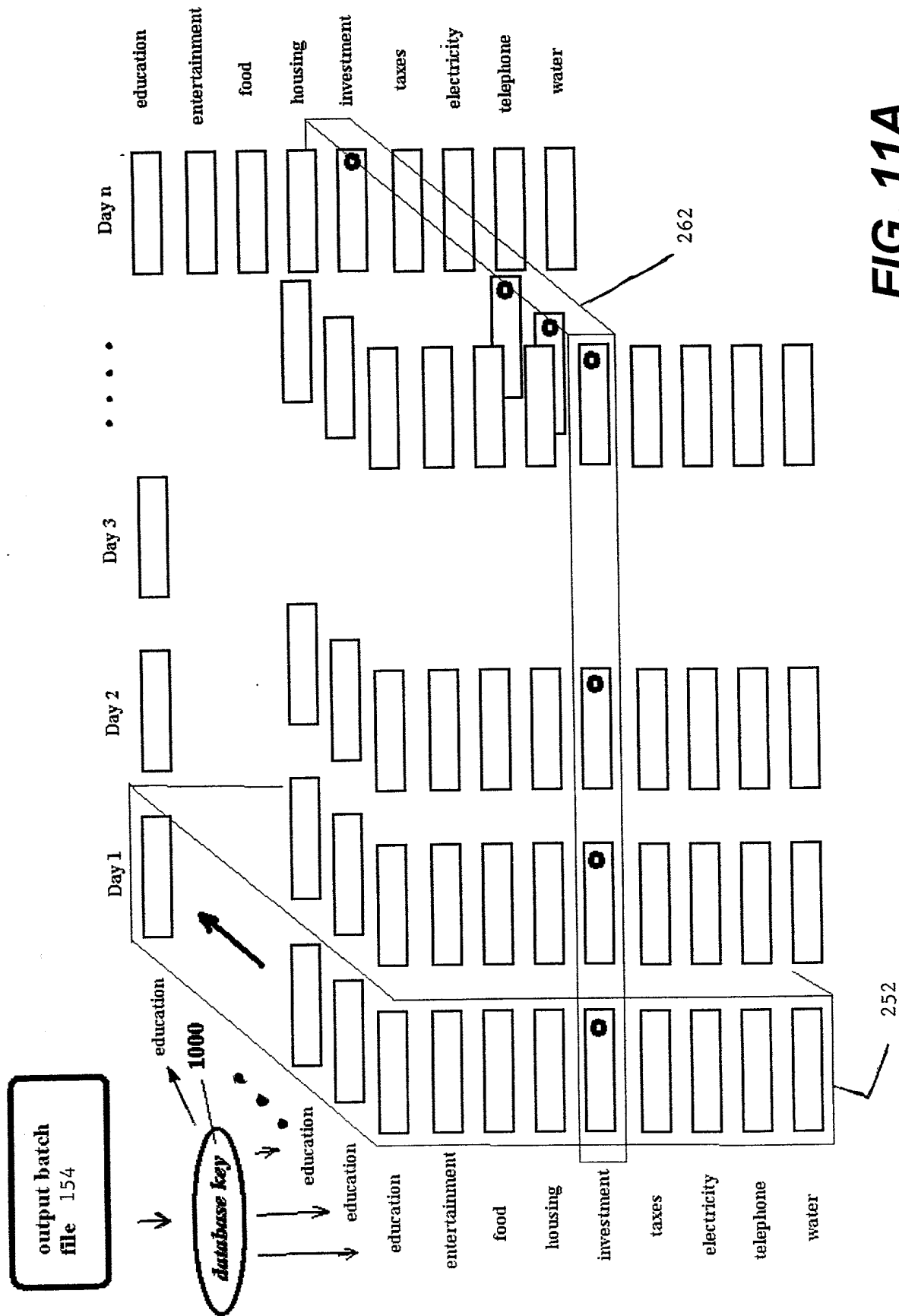


FIG. 11A



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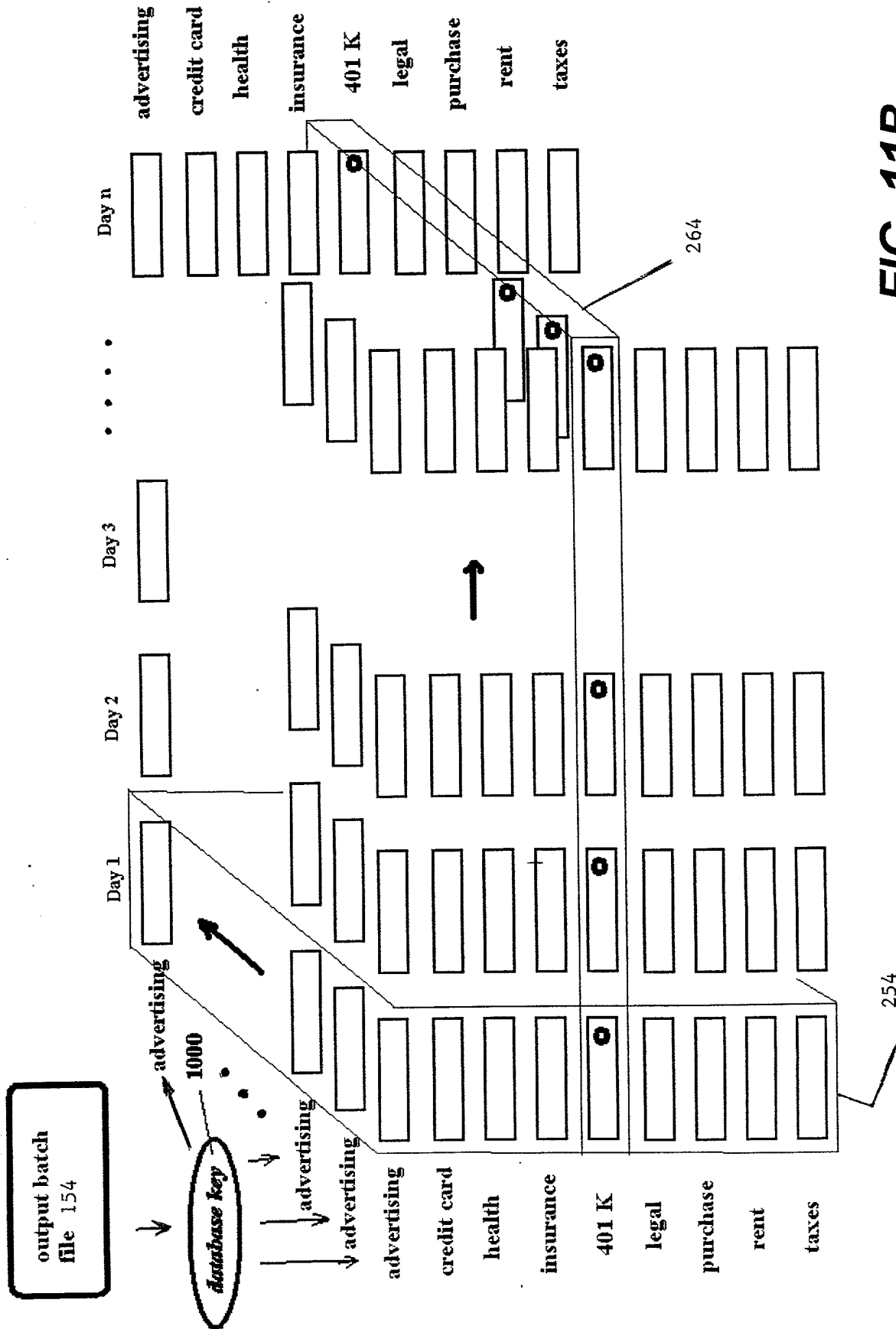


FIG. 11B

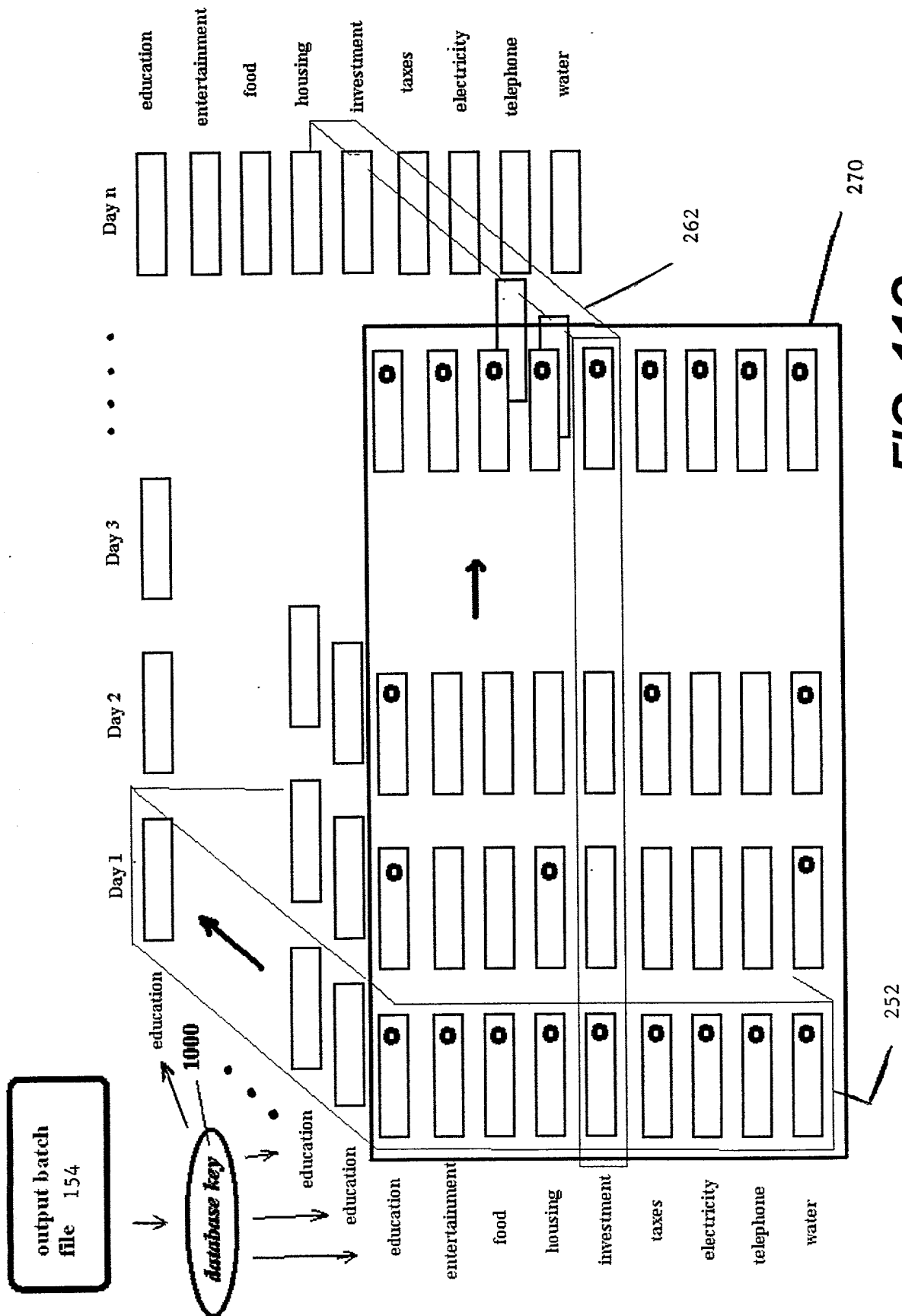
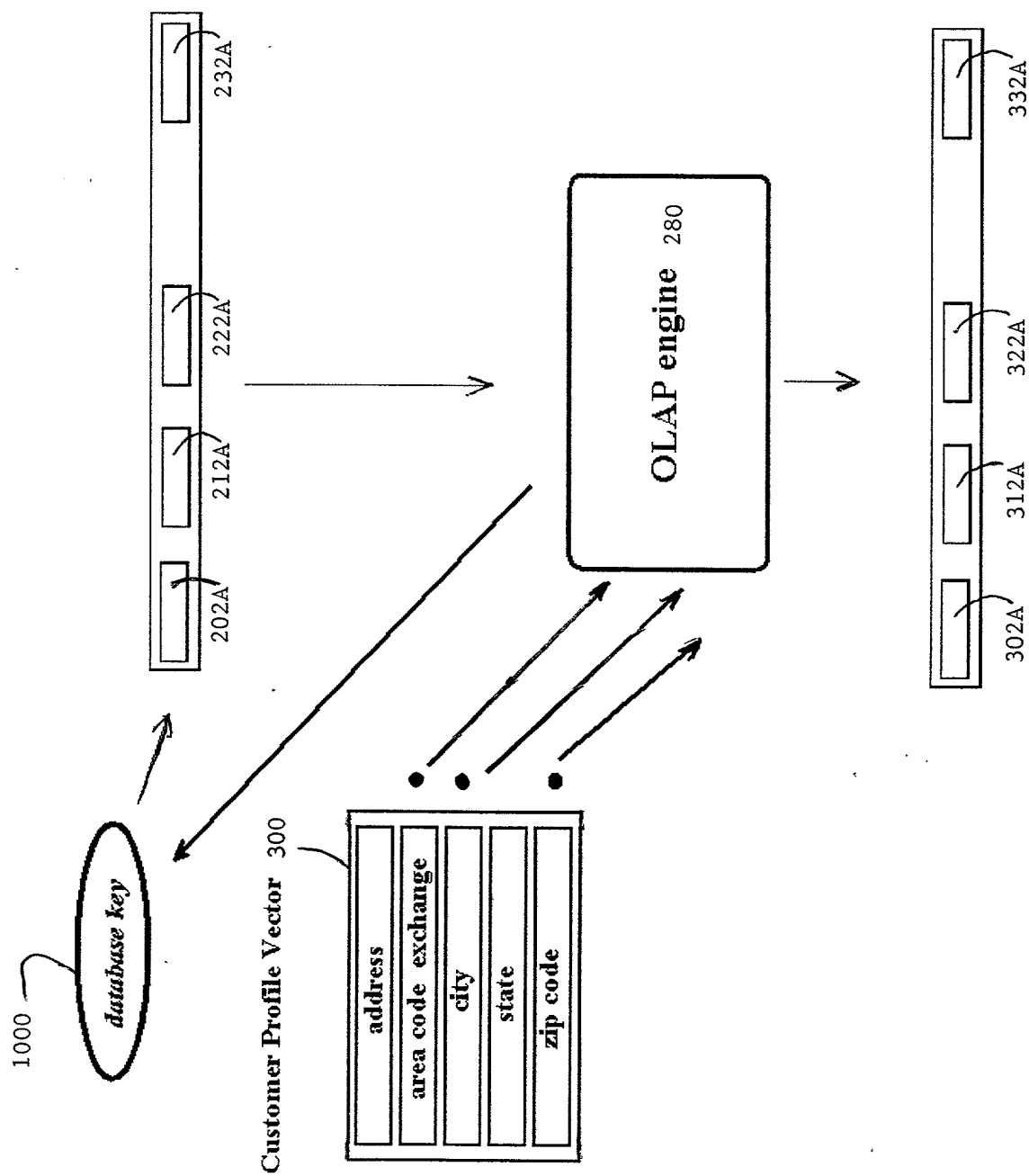
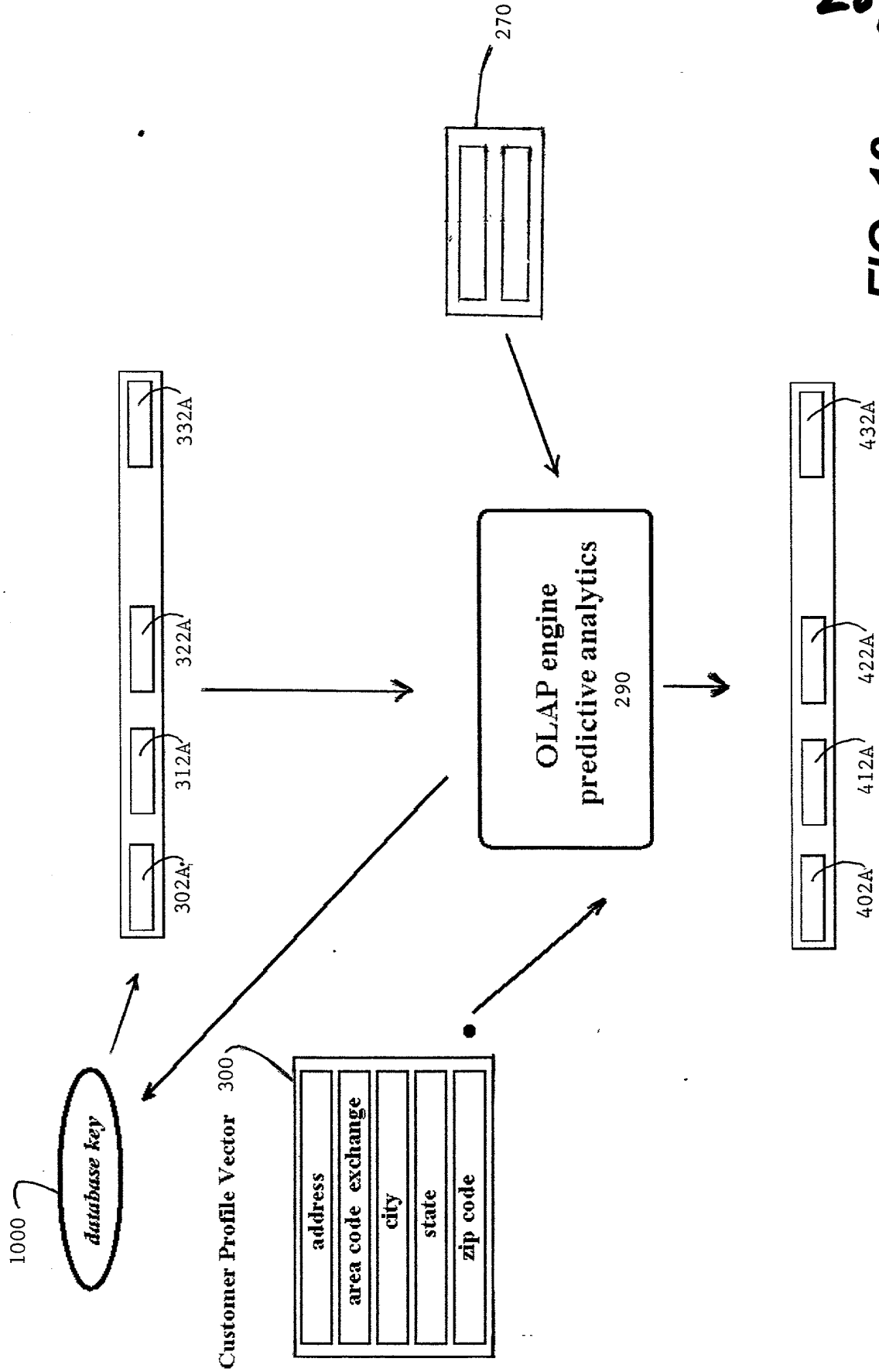


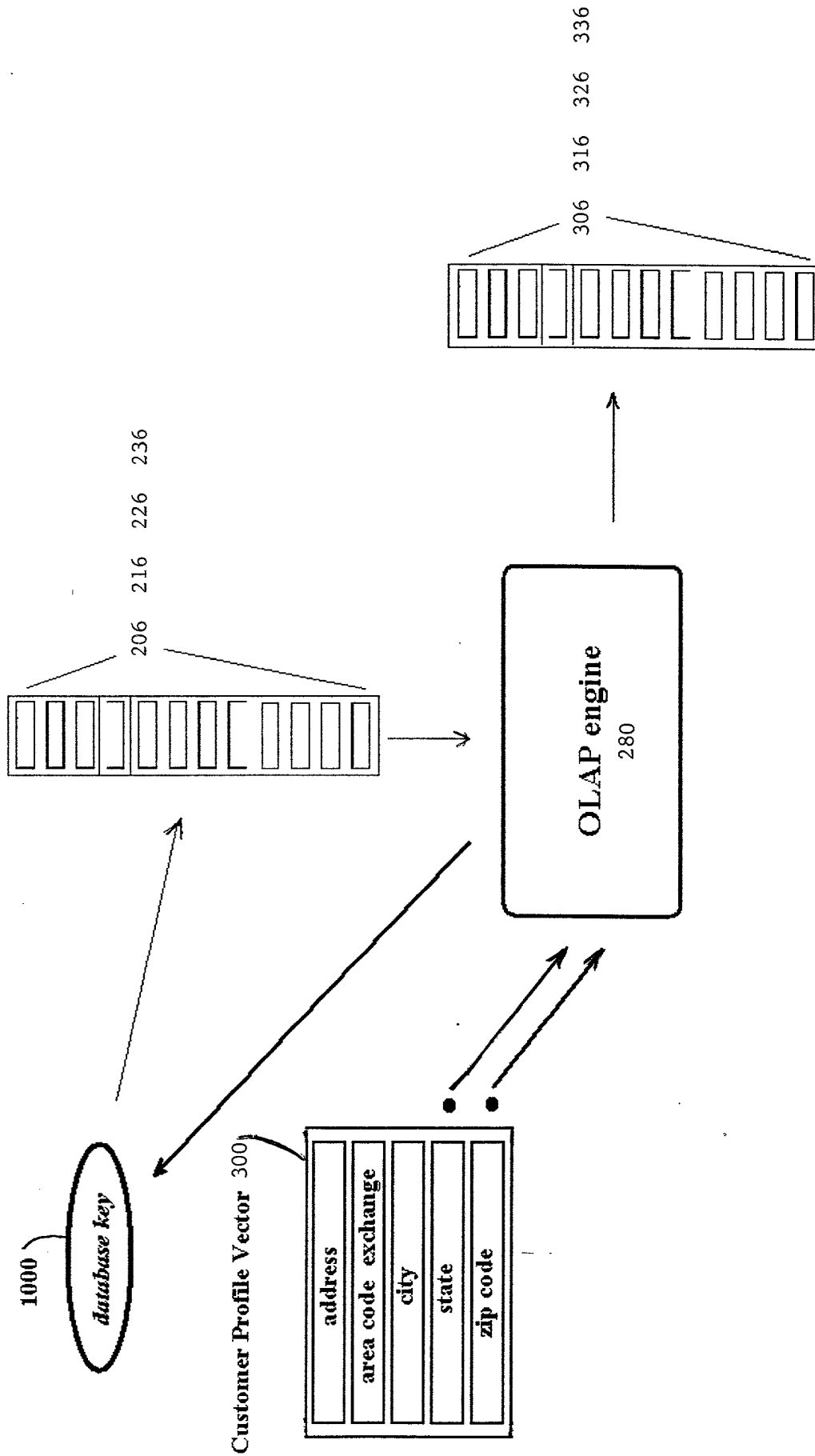
FIG. 11C





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FIG. 13



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FIG. 14

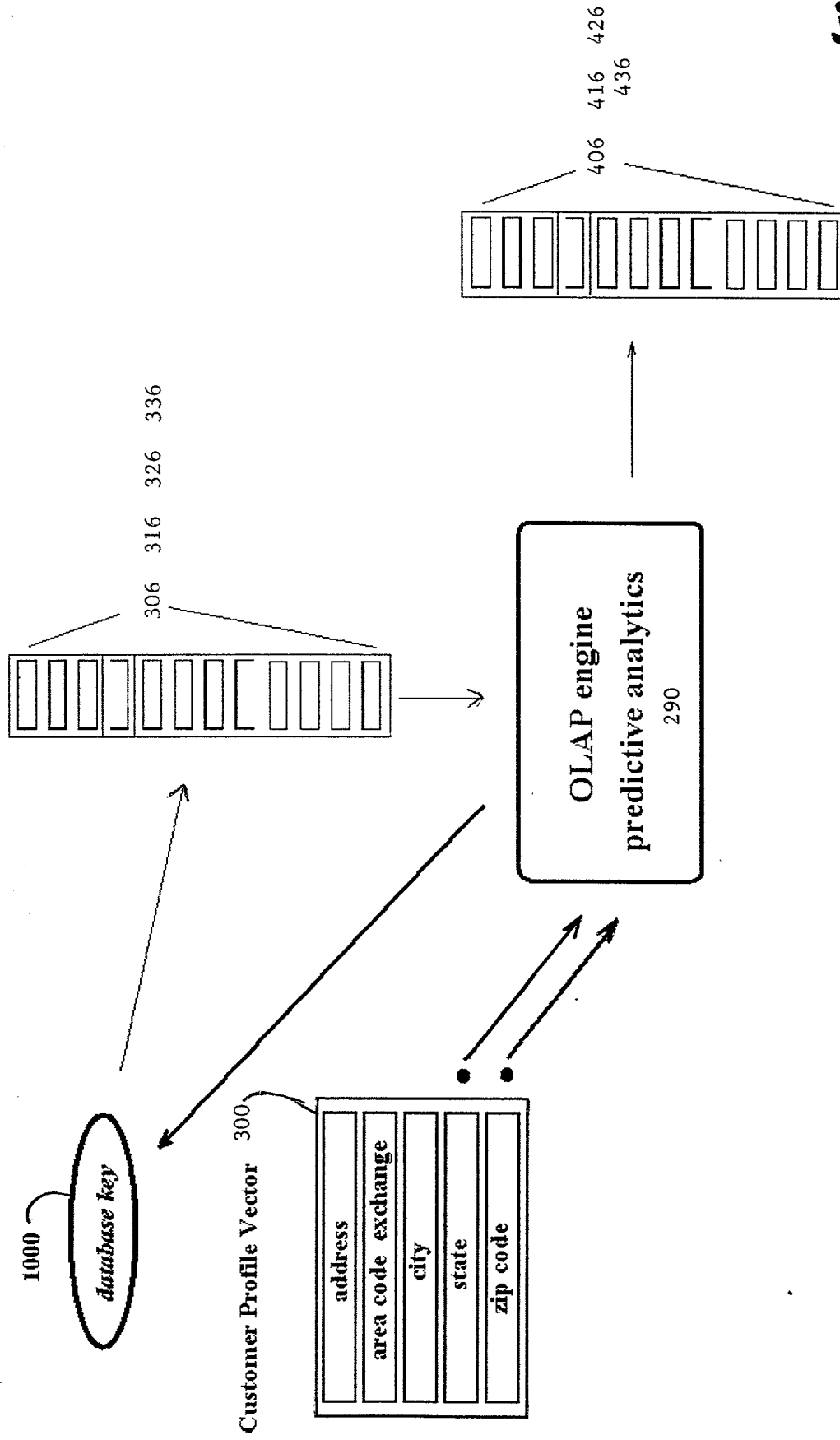
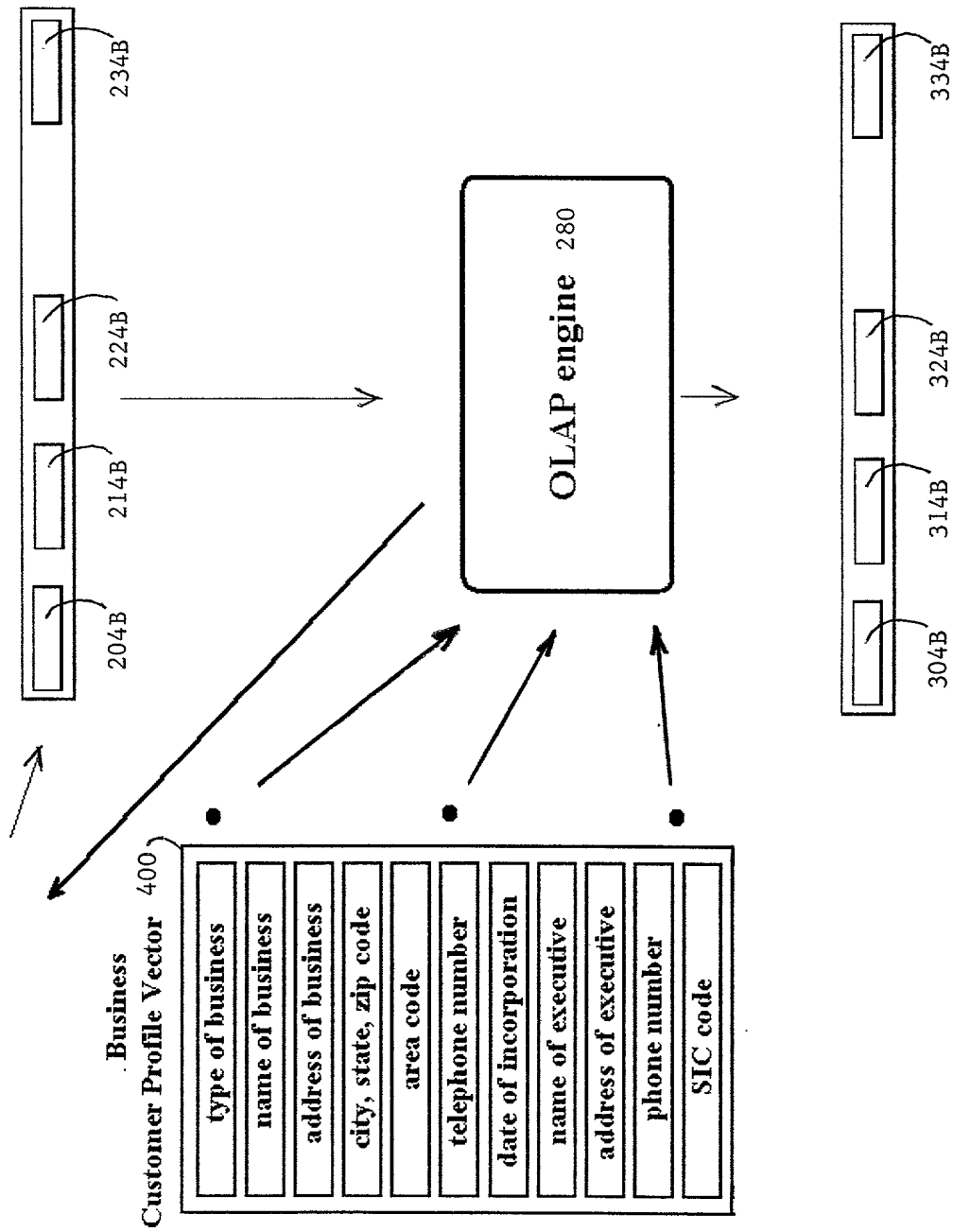
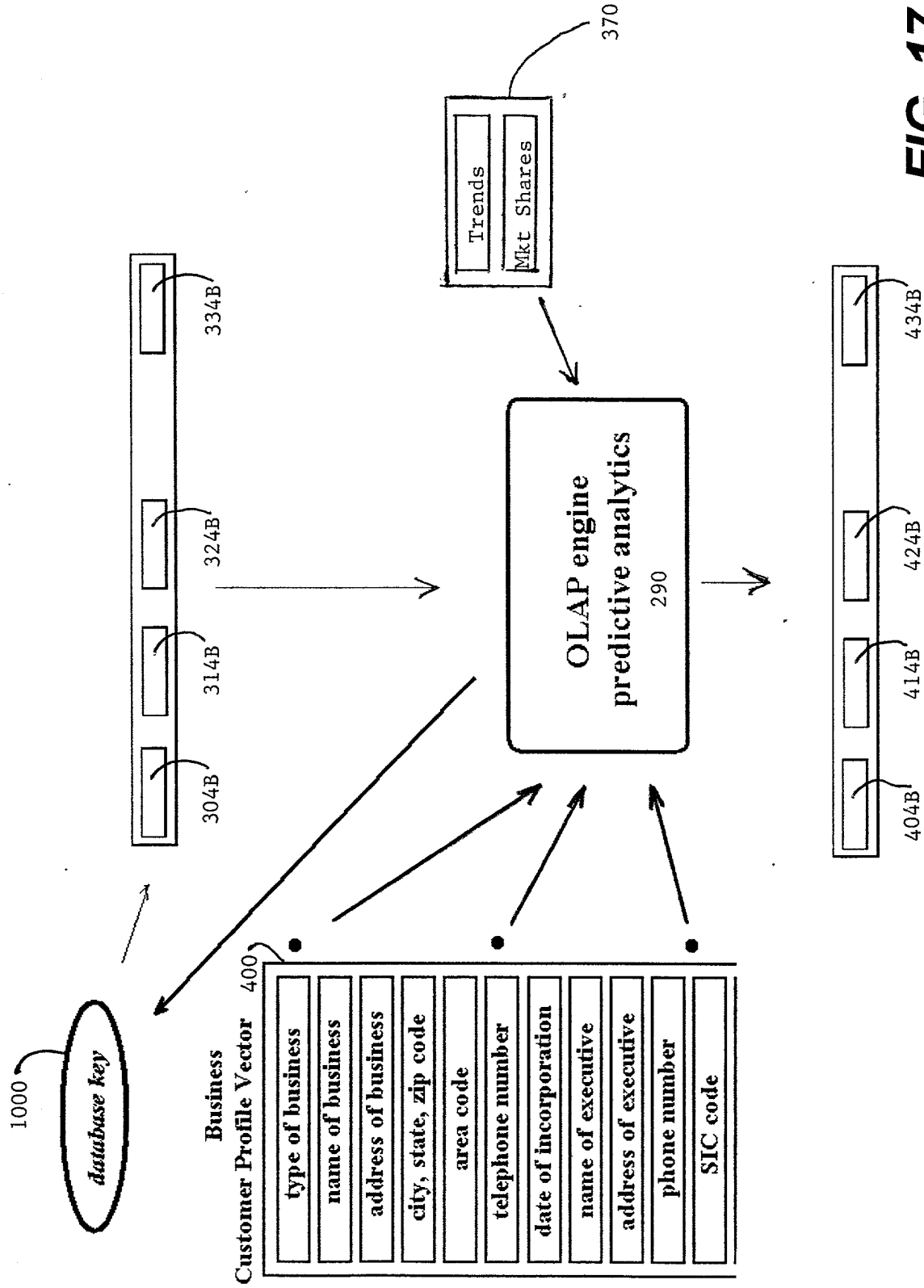


FIG. 15

1000  
database key







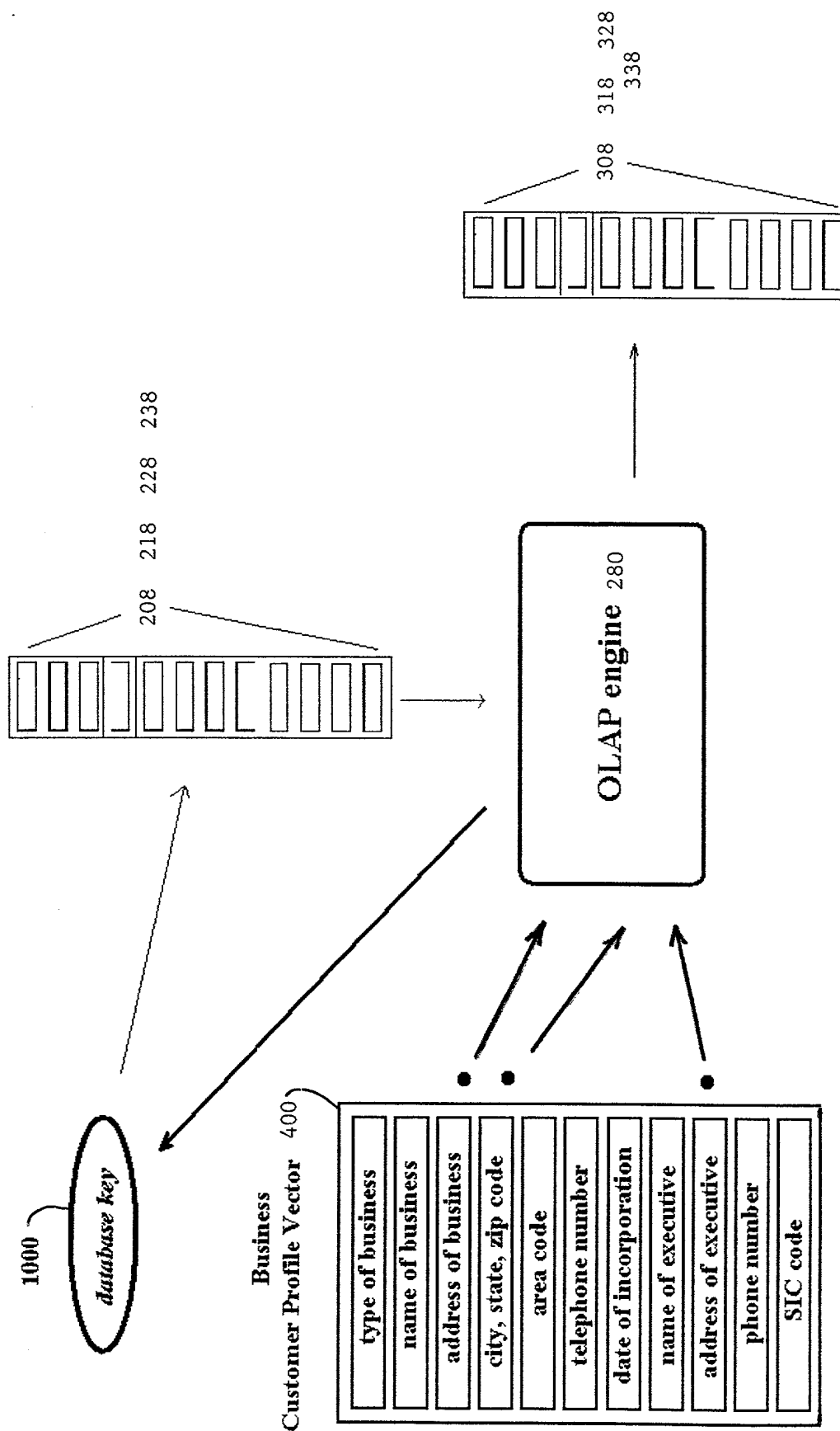
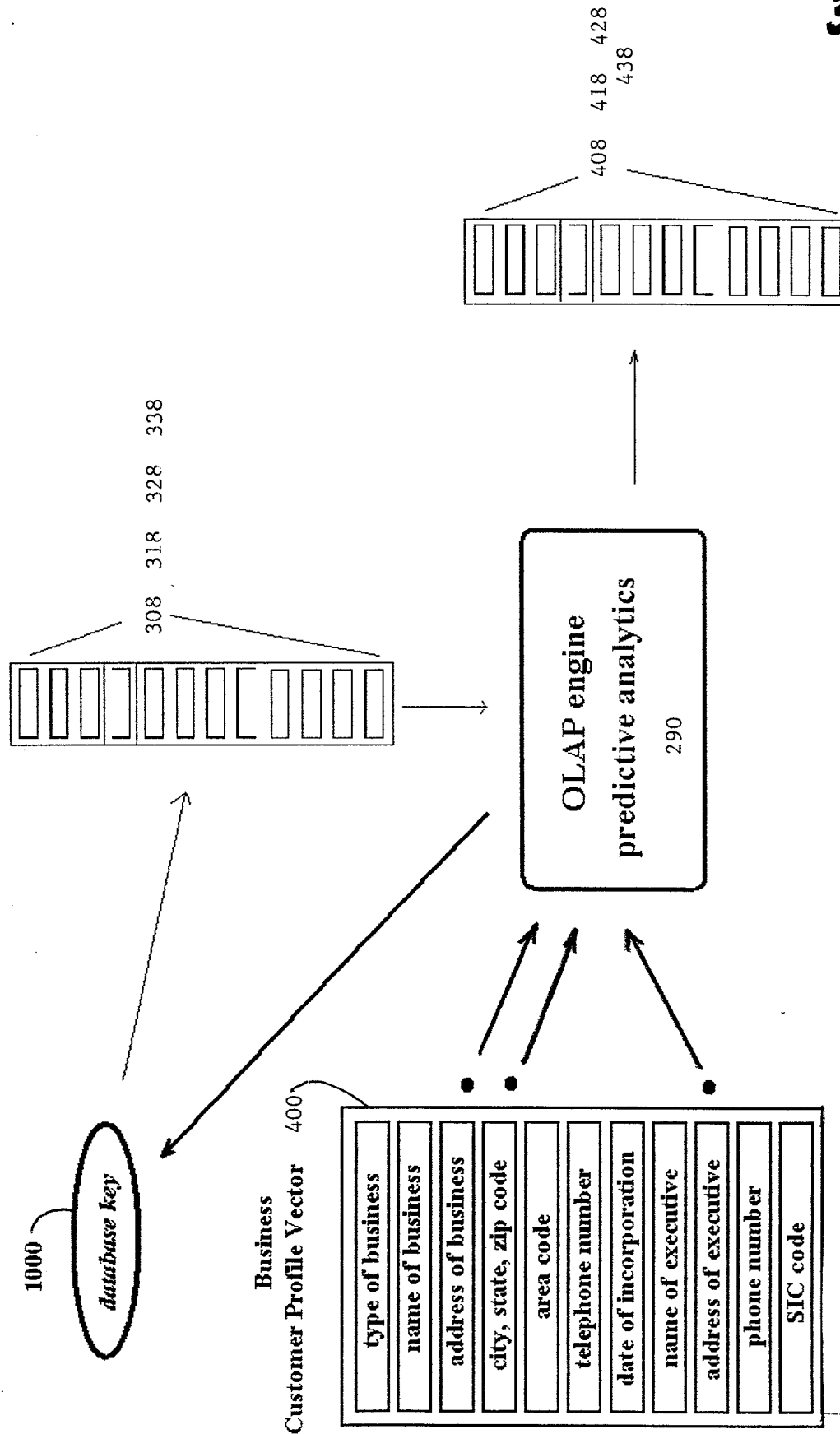


FIG. 18



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FIG. 19

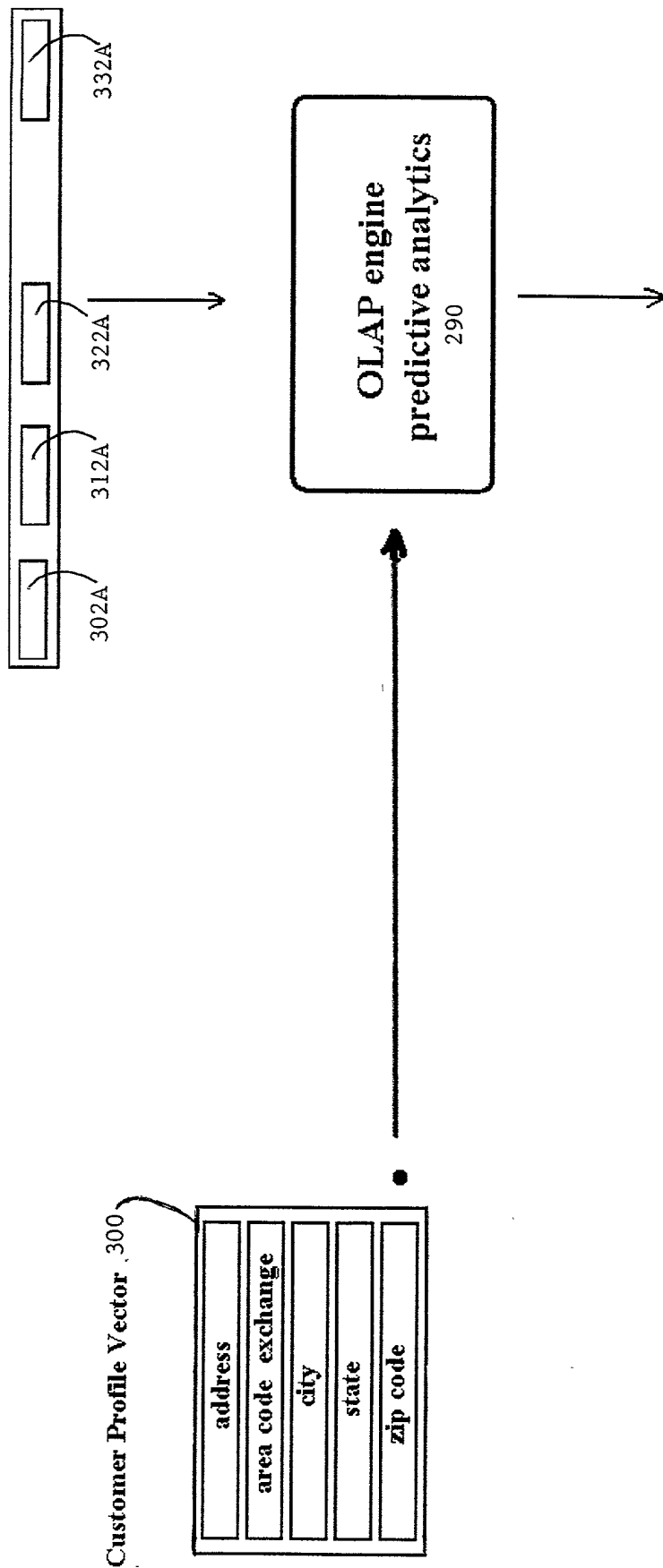


FIG. 20

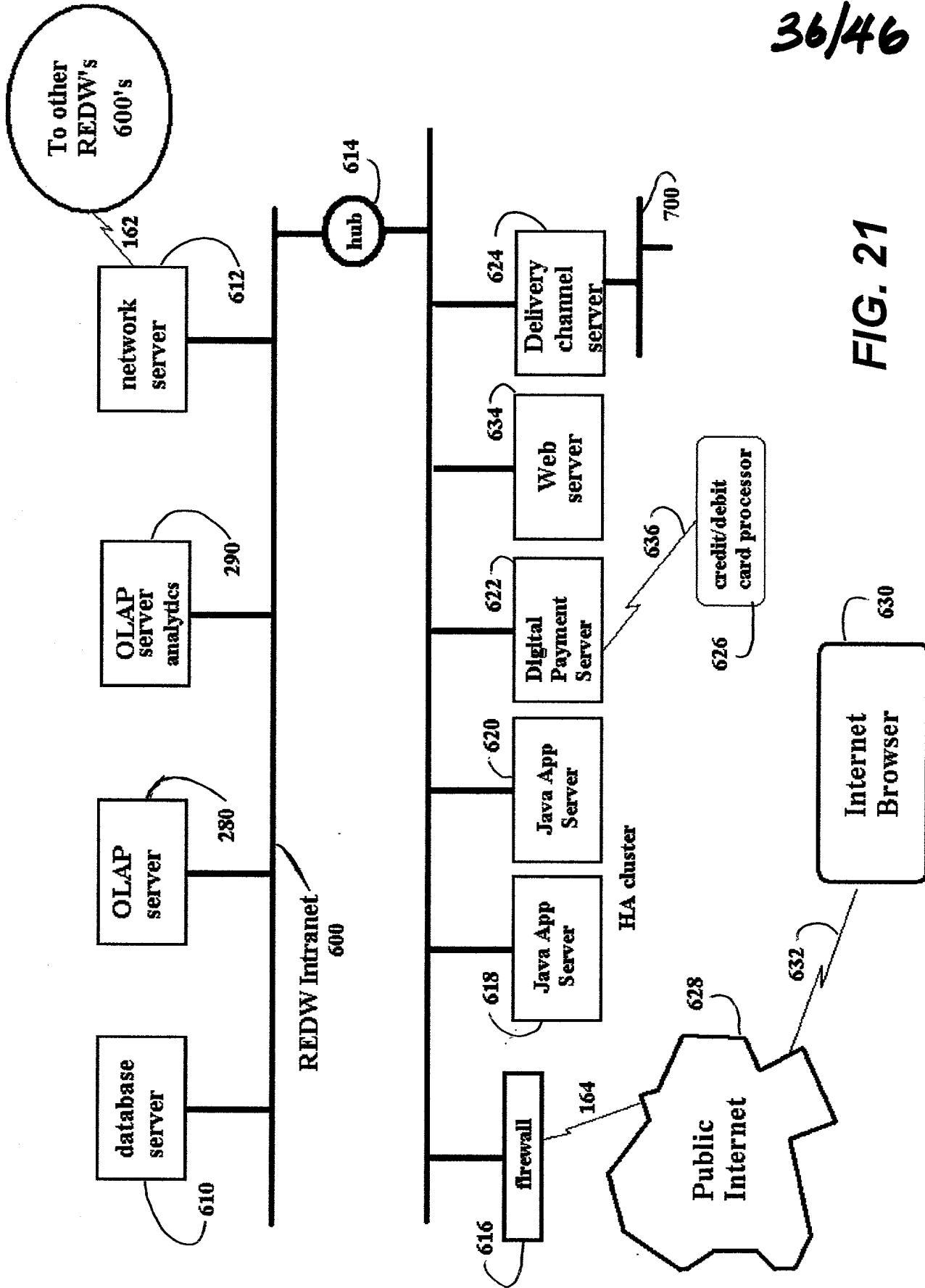


FIG. 21

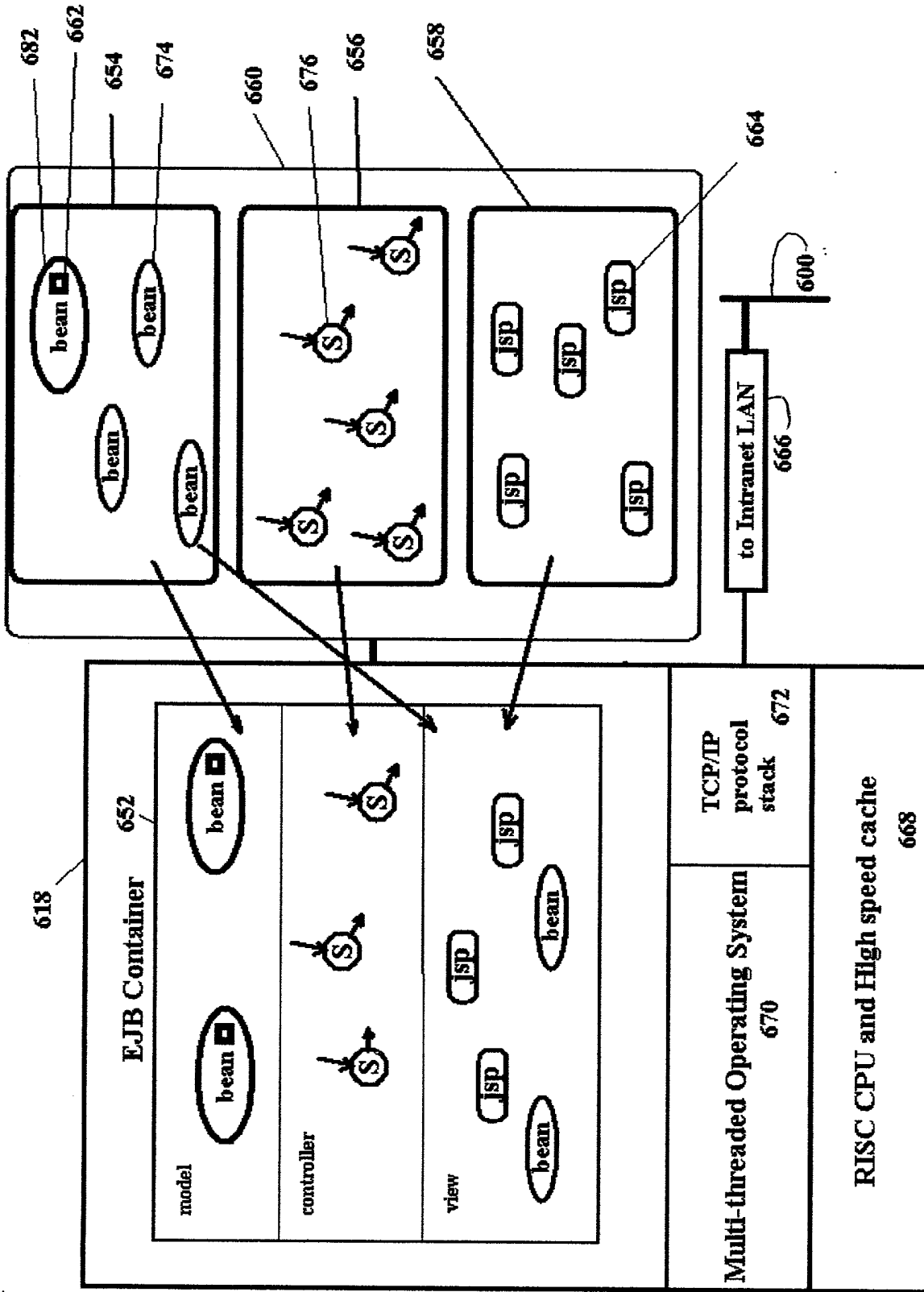


FIG. 22

NEDW Portal

Login ID:

Password:

Enter

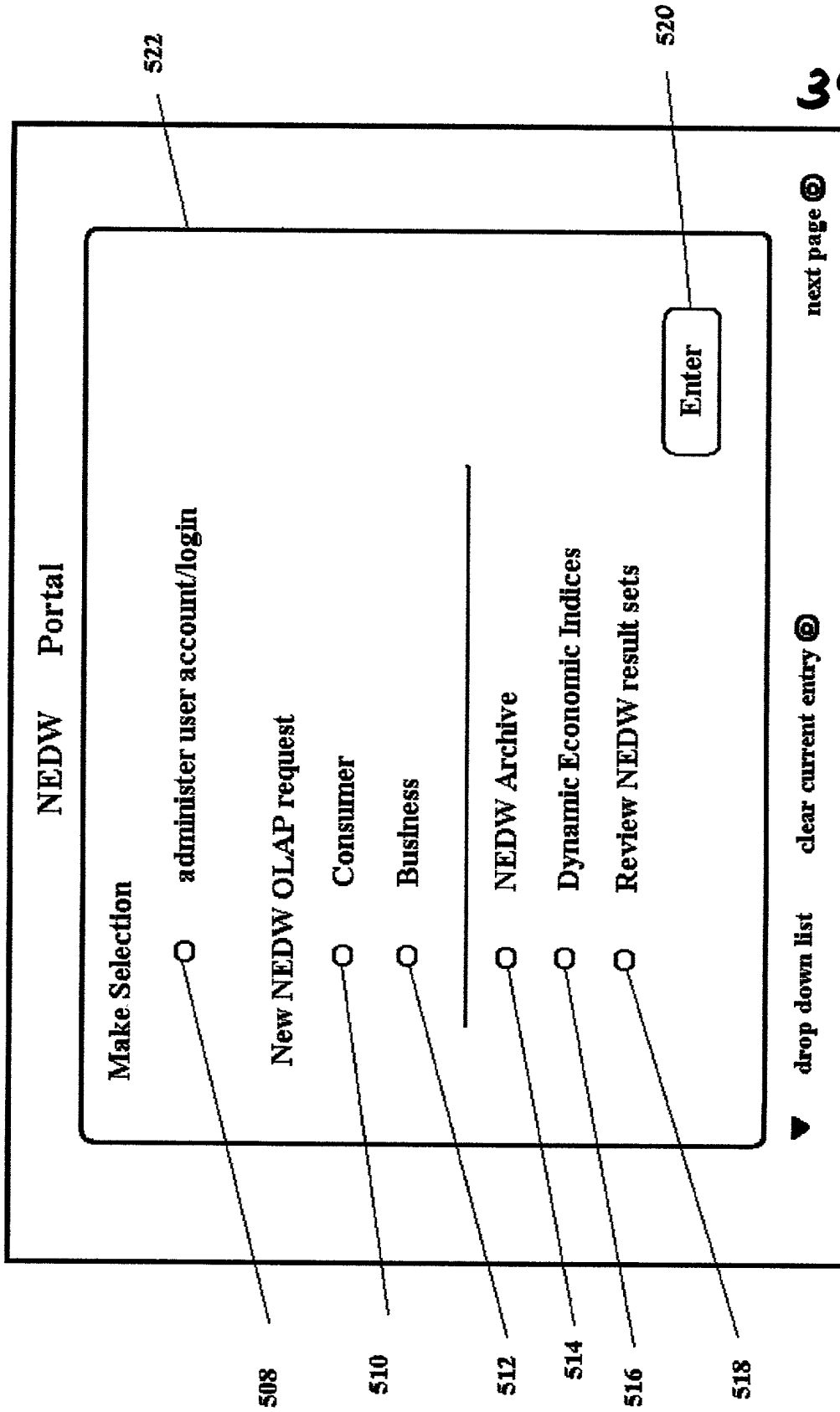
▼ drop down list

clear current entry

next page

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FIG. 23



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FIG. 24

NEDW Consumer Portal

address

area code

exchange

city

state

zip code

▼

▼

▼

▼

Time

From

mm

dd

yy

To

mm

dd

yy

Enter

▼ drop down list

FIG. 25

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# NEDW Business Expenditure Portal

import consumer  
expenditure data

> < = amount \$ and or not < > = amount \$

- ☐ advertising
- ☐ credit card
- ☐ health
- ☐ insurance
- ☒ IRA/401K
- ☐ legal
- ☐ purchase
- ☐ rent
- ☐ taxes
- ☐ transportation
- ☐ electricity
- ☐ heat
- ☐ telephone
- ☐ water
- ☐ wages

<input type="text" value="&gt;"/>	<input type="text" value="&lt;"/>	<input "="" type="text" value="="/>	<input type="text" value="amount \$"/>	<input type="text" value="and or not"/>	<input type="text" value="&lt;"/>	<input "="" type="text" value="="/>	<input type="text" value="amount \$"/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
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<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="10000"/>	<input type="text" value="and"/>	<input type="text" value="^"/>	<input type="text" value="50000"/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
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<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Enter

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FIG. 26B

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## NEDW Results Portal

**Output Format**

☐ 2D time vs. expenditure  
☐ 2D time vs. demographic  
☐ 2D demographic vs. expenditure  
☐ 3D time vs. demographic vs. expenditure

---

**display only**

☐ save results for predictive analytics  
☐ use result set(s)

**e-mail notification**

☐ show cost estimate of OLAP processing  
☐ save results for NEDW financial channel  
☐ save results for wireless PDA

▼ drop down list
clear current entry
previous page
next page

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FIG. 27

type of business

phone # of company

address of business

city, state, zip code

area code

telephone number

date of incorporation

city of executive

address of executive

phone number

SIC code

▼

▼

▼

▼

▼

▼

▼

▼

▼

▼

▼

From

Time

mm

dd

yy

To

mm

dd

yy

Enter

▼ drop down list    clear current entry    previous page    next page

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FIG. 28

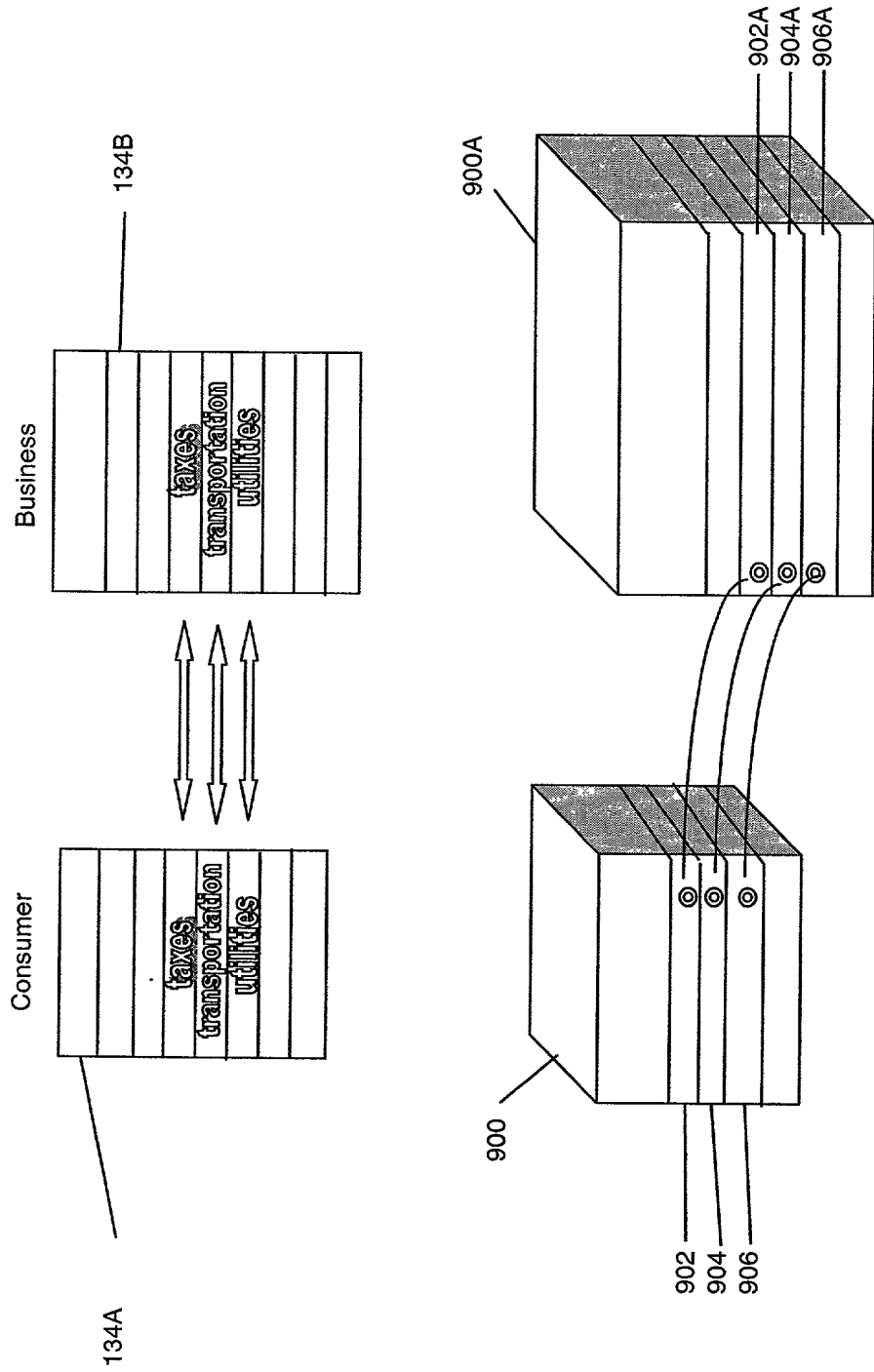


FIG. 29

